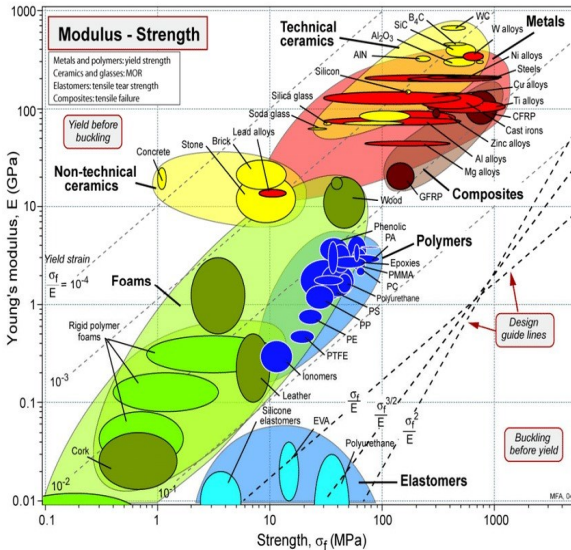


MATERIAL SELECTION



Unique Features

- ⇒ Learning by Observe and Discover methodology.
- ⇒ Design driven approach.
- ⇒ Exercise with solved and practice problem, case studies, pre and post test.

Registration Details

A	Team Registration	
	Number of Team Members	10
	Team Registration Fee Including GST	Rs. 25,000

B	Individual Registration	
	Individual Registration Fee Including GST	Rs. 3,000

Students will learn about the

- ⇒ Materials in Design
- ⇒ Material Classification
- ⇒ Material Properties and Testing
- ⇒ Basic Material Selection
- ⇒ Material Property Charts
- ⇒ Materials Selection with Case Studies

Objective

With Make in India initiative, there is a need for original product design and development efforts. Designers should know available materials, their input forms, and manufacturing processes. Understanding of materials and their behaviour is based on the structure-property-performance-process relation. Selecting the right material and their manufacturing processing during design is a critical skill for today's engineers and designers.

The National Level Material Selection Competition (NLC-MS) has been developed with the following objectives:

- Understand the importance of the properties of materials in engineering design.
- Identify and select the best performing materials for a given application using material property chart.

Deliverables

Knowledge and Understanding	Classification of materials Structure and Properties of Materials
Skills and Abilities	Read, interpret and plot the material property charts Select the right choice of material for a given application
Values and Attitudes	Appreciation of Structure, Property and Processing relationship

Event Calendar

Registration End on	16-08-2023
Workshop-01	19-08-2023 to 20-08-2023 (Online and Offline)
Workshop-02	30-09-2023 to 01-10-2023
Review-01	05-09-2023
Review-02	20-09-2023
Review-03	15-10-2023
Final	04-11-2023 to 05-11-2023

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