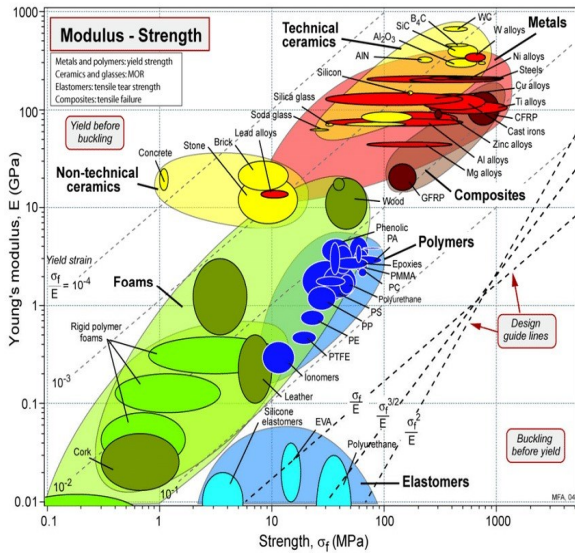


MATERIAL SELECTION



Unique Features

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

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 Start	06.12.2024	
Registration Closes	06.01.2025	
Workshop 1	From 22.01.2025 to 23.01.2025	Online
Workshop 2	From 31.01.2025 to 01.02.2025	Offline
Workshop 3	From 28.02.2025 to 01.03.2025	Online
Review-01	From 19.02.2025 to 20.02.2025	Online
Review-02	From 19.03.2025 to 20.03.2025	Online
Final	29.03.2025	Offline

Registration Details

Team Registration Team Size:5 members (Maximum)	Rs. 17,700
Individual Registration Fee Including GST	Rs. 3,540
Workshop Mode	Online/Offline

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

For Registration logon www.saeiss.org

SAEINDIA Southern Section

Block-1, Modules 29 & 30,
SIDCO Electronic Complex,
Thiru-Vi-Ka Industrial Estate, Guindy,
Chennai - 600 032, Tamil Nadu
Phone:044-42188653
Email : asop@saeiss.org

Lead Champion :
Dr. R. Rajendran

Champions :
Mr. A. Venugopal | Mr. Koshy P. Joseph