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Topics for PPT Presentation for TEQIP Institute under TEQIP-III

Metallurgical Engineering

1. Effect of Crystal and Micro Structures on Mechanical Properties
2. Defects in Crystals: Influence on the mechanical properties
3. Diffusion in Solid State: Metallurgical Applications
4. Anodic and Cathodic Corrosion Protection Techniques
5. Application of different phase diagrams in Metallurgical Industries
6. Mechanism of failure of brittle and ductile materials under tensile and fatigue loading conditions
7. Composite materials and their Applications in Aerospace Industry
8. Blast furnace technology for Iron making
9. Steel making: The historical development and current practices
10. Secondary steel making processes