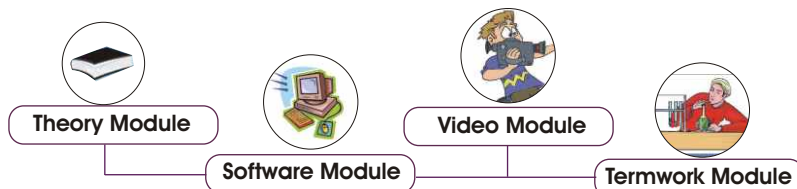


Tool Engineering



Introduces, Global e-Learning System in Education & Training in the form of Learning Resources with Computer Aided Instructions



System Requirement:- IBM-PC Compatible Min P-III with Window-OS, 128 MB RAM/Multimedia Kit

Theory module

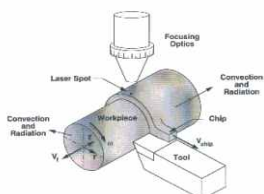
Features : Theory, Figures, Photographs, Animations with controller, Highlighter tool, Note creation Facility, Systematic page navigation, Printing facility Access to Videos at appropriate locations.

General considerations



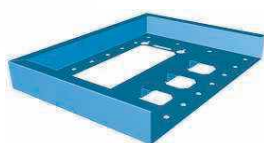
Tool classification, Tool materials, properties & applications, Tooling economics General design considerations, Safety aspects.

Design of Metal Cutting Tools



Design of single point cutting tool for strength & rigidity. Design for optimum geometry. Design strategies for H. S. S, Carbide and Ceramics chip Breakers, Design of form tool.

Design of Metal Working Tools



Design of press working tools, shearing, piercing, blanking, dies, compound die design, progressive dies, bending, forming drawing dies. Tooling for Forging Design principles for forging dies, Drop forging, upset forging. Design principles and practice for rolling, Roll

Design of Jigs and Fixture



Principles of location and clamping, location & clamping, Drilling bushes. Design of various Jigs & fixtures.

Design of Gauges



Compression moulding, transfer moulding, blow moulding. Design of gauges for tolerancing for dimensions and form inspection. Dies and Mould Design For Plastics & Rubber