

Advanced Manufacturing Technology (AMT)

BMS 406 (3-1-0)

Teacher: Dr. Saroj Kumar Sarangi, Associate Professor, Mechanical Engineering

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Module-I

- Class 1: Introduction to AMT, Classification
- Class 2: Electro Discharge Machining
- Class 3: Electro Chemical Machining
- Class 4: Ultrasonic Machining
- Class 5: Abrasive Machining
- Class 6: Abrasive Machining
- Class 7: Electron Beam Machining
- Class 8: Plasma Cutting
- Class 9: Chemical Milling
- Class 10: Electrolytic Grinding
- Class 11: Electrolytic Grinding

Module-II

- Class 12: Introduction to AFP, Classification
- Class 12: Explosive Forming
- Class 13: Electro hydraulic forming
- Class 14: Electromagnetic forming
- Class 15: High energy rate forming
- Class 16: Rubber die forming
- Class 17: Hydrostatic extrusion
- Class 18: Spinning
- Class 19: Thread rolling

Module-III

- Class 20: Introduction to AFP, Classification
- Class 21: Plasma arc welding
- Class 22: Electron beam welding
- Class 23: Laser welding
- Class 24: Explosive welding

- Class 25: Ultrasonic welding
- Class 26: Diffusion bonding
- Class 27: Friction welding
- Class 28: Thermit welding

Module-IV

- Class 29: Introduction to Plastics, Classification
- Class 30: Thermoplastic
- Class 31: Thermosets
- Class 32: Injection moulding
- Class 33: Injection moulding
- Class 34: Machining of plastics
- Class 35: Welding of plastics
- Class 36: Introduction to Coating, Classification, Methodology
- Class 36: CVD
- Class 36: PVD
- Class 37: Comparison between CVD and PVD
- Class 37: Revision
- Class 38: Revision
- Class 39: Class test
- Class 40: Discussion

END