

Advanced Manufacturing Processes (AMPs) (BTM 4723)

Seminar Presentation Topics

by

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Following are the topics for presentation by individual in Classroom (One student one Topic)

1. Classification of Advanced Manufacturing Processes
2. Classification of Advanced Machining Processes considering all aspects
3. Electrochemical Machining from Basics to applications with Mechanism
4. Electrochemical Grinding from Basics to applications with Mechanism
5. Electrochemical Deburring from Basics to applications with Mechanism
6. Electrochemical Honing of Cylinders and Gears
7. Advanced Metal forming Processes
8. Advanced Welding Processes
9. Rapid Prototype Processes
10. Laser Based Advanced Deposition Processes
11. Cold Spray Deposition Process
12. Water Jet Machining from Basics to applications with Mechanism
13. Abrasive Jet Machining from Basics to applications with Mechanism
14. Electrical Discharge Machining from Basics to applications with Mechanism
15. Wire Electrical Discharge Machining from Basics to applications with Mechanism
16. Ion Beam Machining from Basics to applications with Mechanism
17. Electron Beam Machining from Basics to applications with Mechanism
18. Laser Beam Machining from Basics to applications with Mechanism
19. Chemical Machining from Basics to applications with Mechanism
20. Photochemical Machining from Basics to applications with Mechanism