

Course: Fundamentals of Nuclear Power Generation

Course Code: noc18-me13

Session: 2017-18

Duration: 12 Weeks

Assessment procedures: Weekly Assignment (25%) + proctored certification Exam (75%)

Curriculum of the Course:

Week - 1: Fundamentals of Nuclear Power

Week - 2: Radioactivity & Nuclear reactions

Week - 3: Nuclear Fission

Week - 4: Chain Reaction in Reactors

Week - 5: Reactor Thermalhydraulics

Week - 6: Reactor Control

Week - 7: Thermal Reactors

Week - 8: Breeder Reactors

Week - 9: Nuclear Fusion

Week - 10: Biological Effects of Radiation

Week - 11: Reactor Safety and Security

Week - 12: Waste Management and Economics

List of students enrolled

S.No	Student Name
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