

Course Name - Power System Protection

Faculty Name - Prof. Ashok Kumar Pradhan

Institute Name - IIT Kharagpur

Course Syllabus -

Week 1: Introduction to modern power system protection- philosophy and approach- Digital protection technology overview Phasor measurement techniques

Week 2: Phasor measurement techniques

Week 3: Overcurrent protection

Week 4: Directional Relaying

Week 5: Distance Relaying

Week 6: Distance Relaying

Week 7: Transformer protection

Week 8: Differential protection of Line

Week 9: CT and CVT response

Week 10: Network Protection with Renewable sources

Week 11: Travelling wave approach

Week 12: Synchrophasor technology application