**Tentative Course Outline**

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| **S.No.** | **Topics** |
|  | Introduction to Electrical Power system, Transmission & Distribution System reforms and challenges |
|  | RE Penetration in Distribution System, Grid Integration of RE: Technology and Challenges |
|  | Automated Metering Infrastructure (AMI): An effective enabler of smart grid architecture. Various technologies, components &integration. |
|  | Recent advancements & trends in upgradation of distribution systems, Distribution System Automation |
|  | Role of communication systems in smart distribution system. Various modes and their applications., Smart Distribution System : Concept to Commissioning Case Studies |