Cloud Computing and IoT syllabus:
IoT part: Introduction to IoT – IoT definition – Characteristics – IoT Complete Architectural Stack – IoT enabling Technologies, IoT Challenges, M2M and IoT, Smart applications of IoT, Protocols in communication, Key elements of protocol, Different layers of the IoT protocol stack, Different components of IOT. Basics of networking, Protocols and standards in communication, ISO-OSI model.

Cloud computing part: Defining Cloud Computing Paradigm. Cloud Types – NIST model, Cloud Cube model, Deployment models (Public, Private, Hybrid and Community Clouds), Service - Platform as a Service, Software as a Service with examples of services/service providers, models - Infrastructure as a Service, Cloud Reference model, Characteristics of Cloud Computing – a shift in paradigm Benefits and advantages of Cloud Computing. A brief introduction on Composability, Infrastructure, Platforms, Virtual Appliances,

Communication Protocols, Applications, Connecting to the Cloud by Clients.