



University of Dhaka
Institute of Information Technology (IIT)
Bachelor of Science in Software Engineering (BSSE)



Course: SE 506 Design Patterns
Lab 01: Implementation of Factory Method Pattern

Consider a software system that needs to handle the creation of different types of *devices*—such as *Smartphone*, *Tablet*, and *Laptop*—each with distinct properties, behaviors, and mandatory *powerOn* and *powerOff* method. You must implement the **factory method pattern** to instantiate new devices.