**Case Study: Securing a University Student Portal System**

**Background**

A mid-sized university operates a student information portal where students register for courses, view grades, and access personal academic information. The IT department is responsible for maintaining security and compliance with national data protection laws.

**Challenges**

1. Unauthorized access to student records.
2. Lack of encryption leading to data breaches during data transmission.
3. No centralized audit logging to track access or changes to data.
4. Inconsistent application of security practices across departments.