# EduSphere – Weekly Review Checklist (3-Month Project)

## Week 1 – Requirement Finalization

- ■ Problem statement finalized
- ■ Core features frozen
- ■ Out-of-scope features listed
- ■ Tech stack finalized
- ■ GitHub repo created
- ■ Team roles assigned

## Week 2 – System & Database Design

- ■ Architecture diagram created
- ■ ER diagram/schema finalized
- ■ RBAC rules defined
- ■ API endpoint list drafted
- ■ UI wireframes completed

## Week 3 – Authentication & Security

- ■ Login & registration working
- ■ Password hashing implemented
- ■ JWT authentication enabled
- ■ Role-based route protection
- ■ Logout & token expiry handling

## Week 4 – Dashboard Foundation

- ■ Student dashboard created
- ■ Faculty dashboard created
- ■ Admin dashboard created
- ■ Protected routes working
- ■ Navigation finalized

## Week 5 – Student Module

- ■ Attendance view
- ■ Marks/results view
- ■ Notifications
- ■ Profile management
- ■ Frontend-backend integration

## Week 6 – Faculty Module

- ■ Attendance marking
- ■ Marks upload

- ■ Student performance view
- ■ Faculty permission checks
- ■ Data validation

## Week 7 – Admin Module

- ■ User & role management
- ■ Academic calendar
- ■ Notice board
- ■ Grievance workflow
- ■ Admin-only access enforced

## Week 8 – Requests & Communication

- ■ Grievance submission
- ■ Status tracking
- ■ Faculty/Admin responses
- ■ Timestamps & history
- ■ Notifications triggered

## Week 9 – Integration & Bug Fixing

- ■ Frontend-backend integration
- ■ API testing
- ■ Error handling
- ■ Loading states
- ■ Unauthorized access blocked

## Week 10 – Analytics & Optimization

- ■ Attendance charts
- ■ Marks analytics
- ■ Dashboard summaries
- ■ Performance optimization
- ■ Optional caching

## Week 11 – Testing & Documentation

- ■ Unit testing
- ■ Integration testing
- ■ Architecture document
- ■ ER diagram final
- ■ API documentation

## Week 12 – Deployment & Final Demo

- ■ Docker setup
- ■ Application deployment
- ■ Demo accounts created
- ■ Presentation ready
- ■ Viva rehearsal