**🖼️ UI Wireframe Screens Overview**

**1. Admin Dashboard**

* **Sidebar Navigation**:
  + Classes
  + Subjects
  + Teachers
  + Settings
  + Generate Schedule
* **Main Panel**:
  + Summary Cards: Total Classes, Teachers, Subjects, Schedule Status
  + Quick Actions: [Add Class] [Add Teacher] [View Timetable]

**2. Class & Subject Setup**

* **Table Format**:
  + Editable fields for Class Name, Assigned Subjects (dropdowns)
  + Buttons: [Add Row], [Save Changes]

**3. Teacher Setup**

* **Form Layout**:
  + Teacher Name
  + Subjects Taught (multi-select)
  + Availability: Day/time grid (checkboxes or color-coded blocks)

**4. Timetable Generator**

* **Generate Button**: Starts algorithm
* **Notifications**: “Schedule Generated Successfully” or “Conflict Found in Grade 7”
* **Schedule Summary Panel**: Stats on completed/remaining slots

**5. Timetable Viewer**

* **Tabs**: View by Class | View by Teacher | View Free Periods
* **Grid Layout**:
  + Rows = Time Periods
  + Columns = Weekdays
  + Cells = Subject + Teacher (clickable/editable)
  + Highlight clashes if any

**6. Export Panel**

* Buttons: [Download PDF] [Download Excel]
* Icons next to formats for visual clarity