***Project To-Do Checklist***

**Phase 1: Setup & Core**

1. Template & Repository
2. Select admin template (React + Bootstrap / Vue)
3. Set up GitLab repository
4. Create main branch
5. Create dev branch
6. Push initial project structure

**Database**

1. Design database tables
2. users (id, name, email, role, password)
3. placements (id, Student\_id, company, start\_date, end\_date, status)
4. requests (id, student\_id, provider\_id, tutor\_approval, documents)
5. Set up database (SQL)
6. Test database connectivity

**Authentication System**

1. Create login page
2. Create registration page
3. Implement role-based routing
4. Student routes
5. Tutor routes
6. Provider routes
7. Test authentication flows
8. Push auth system to repositor

**👨‍🎓 Student Module**

1. Placement Request (CRUD)
2. Design placement request form
3. Company details input
4. Date selection (start/end)
5. Job description field
6. File upload for documents
7. Implement POST API for form submission
8. Create dashboard for status tracking
9. Implement GET API for request status
10. Test form submission and dashboard
11. Push student module to repository

**Additional Features**

1. Implement in-app messaging for contacting tutor
2. Create report submission feature (PDF upload)
3. Test messaging and report upload

**🏢 Provider Module**

1. Confirmation Flow
2. Set up email alerts for new requests (JavaMail)
3. Create approve/reject page
4. Implement PATCH API for request updates
5. Test email alerts and approval flow
6. Push provider module to repository

**👨‍🏫 Tutor Module**

1. Approval Dashboard
2. Create dashboard for pending requests
3. Implement GET API with filters
4. Add bulk approve/reject functionality
5. Test dashboard and bulk actions
6. Placement Management (CRUD)
7. Create interface to edit placements
8. Extend dates
9. Update status
10. Implement export to Excel feature
11. Test placement management and export
12. Visit Scheduler
13. Integrate FullCalendar.io for calendar UI
14. Implement event creation (POST API)
15. Set up Google Calendar sync
16. Test calendar rendering and sync
17. Push tutor module to repository

**🌐 Shared Features**

1. Map View
2. Set up Google Maps API
3. Plot placement markers with student info
4. Implement marker clustering by location
5. Test map loading and functionality
6. Push map view to repository
7. Messaging
8. Create inbox UI
9. Set up simple email backend (no WebSockets)
10. Test messaging functionality
11. Push messaging feature to repository

**🚀 Deployment**