

HostelHub Detailed RACI Matrix

- **Legend**

- **R = Responsible (Person who performs the work)**
- **A = Accountable (Person answerable for the task's completion)**
- **C = Consulted (Provides input based on knowledge or role)**
- **I = Informed (Needs to be kept up to date)**

- **Team Members**

- **Balaji More - Project Lead/Backend Developer**
- **Akansha Kumbhar - Frontend Developer**
- **Vaibhav Jadhav - Database Developer/Integration**
- **Tejas Gophane - Full-stack Developer/Deployment**

- **Planning and Ideation Phase :**

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Define Problem Statement	A	C	C	C	I	I	I
UI Wireframing	C	R	C	C	I	I	I
ERD Chart and Mind Map	C	C	R	C	I	I	I
Gantt Chart	C	R	C	C	I	I	I
RACI Chart	R	C	C	C	I	I	I
Project Charter	A	C	C	R	I	I	I

- **Design and Prototyping Phase :**

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Create Detailed Wireframes	C	R	C	C	I	I	I
Design UI Mockups for Student Portal	C	R	C	C	C	I	I
Design UI Mockups for Hostel Owner Portal	C	R	C	C	I	C	I
Design UI Mockups for Admin Portal	C	R	C	C	I	I	C
Finalize Database ERD	C	C	R	C	I	I	I
Finalize UI/UX Design	A	C	C	R	I	I	I
Create API Endpoint Plan	A	C	C	R	I	I	I

- **Implementation Phase**

1)Database Development :

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Database Creation & Setup	A	C	R	C	I	I	I
Create User Authentication Tables	C	C	R	C	I	I	I
Create Hostel Management Tables	C	C	R	C	I	I	I
Create Booking Management Tables	C	C	R	C	I	I	I
Database Seeding & Test Data	C	C	R	C	I	I	I

2)Backend API Development :

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Setup Backend Framework	R	C	C	C	I	I	I
Create Authentication APIs	R	C	C	C	I	I	I
Create Student Management APIs	R	C	C	C	C	I	I
Create Hostel Management APIs	R	C	C	C	I	C	I
Create Booking Management APIs	R	C	C	C	C	C	I

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Create Admin Approval APIs	R	C	C	C	I	I	C
Create Search & Filter APIs	R	C	C	C	C	I	I
API Documentation	A	C	C	R	I	I	I

3)Frontend Development :

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Setup React Project Structure	C	R	C	C	I	I	I
Develop Authentication Components	C	R	C	C	C	C	C
Develop Student Dashboard Components	C	R	C	C	C	I	I
Develop Hostel Browse & Search Components	C	R	C	C	C	I	I
Develop Booking Management Components	C	R	C	C	C	C	I
Develop Hostel Owner Dashboard Components	C	R	C	C	I	C	I
Develop Hostel Registration Components	C	R	C	C	I	C	I
Develop Admin Approval Dashboard Components	C	R	C	C	I	I	C
Implement Responsive Design	C	R	C	C	I	I	I
Frontend State Management Setup	C	R	C	C	I	I	I

4)Integration & Testing :

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Frontend-Backend Integration	C	C	R	C	I	I	I
API Integration Testing	C	C	R	C	I	I	I
Database Integration Testing	C	C	R	C	I	I	I
Cross-browser Compatibility Testing	C	R	C	C	I	I	I

- **Testing, Deployment and Review Phase**

1) Testing & Quality Assurance :

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Unit Testing - Backend	R	C	C	C	I	I	I
Unit Testing - Frontend	C	R	C	C	I	I	I
Integration Testing	C	C	R	C	I	I	I
User Acceptance Testing - Student Flow	C	C	C	R	C	I	I
User Acceptance Testing - Hostel Owner Flow	C	C	C	R	I	C	I
User Acceptance Testing - Admin Flow	C	C	C	R	I	I	C
Performance Testing	C	C	R	C	I	I	I
Security Testing	R	C	C	C	I	I	I

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Bug Fixing & Issue Resolution	A	R	C	C	I	I	I

2) Deployment :

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Production Environment Setup	C	C	C	R	I	I	I
Database Deployment	C	C	R	C	I	I	I
Backend Deployment	R	C	C	C	I	I	I
Frontend Deployment	C	R	C	C	I	I	I
Final System Testing	A	C	C	R	I	I	I
Go-Live Support	A	C	C	R	I	I	I

3) Documentation & Review :

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Technical Documentation	C	C	R	C	I	I	I
User Manual - Student Guide	C	R	C	C	C	I	I
User Manual - Hostel Owner Guide	C	R	C	C	I	C	I
User Manual - Admin Guide	C	R	C	C	I	I	C

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Final Demo and Presentation	A	C	C	R	I	I	I
Project Handover Documentation	A	C	R	C	I	I	I

• **Communication & Reporting (Ongoing) :**

Task	Balaji More	Akansha Kumbhar	Vaibhav Jadhav	Tejas Gophane	Student	Hostel Owner	College Admin
Daily Stand-up Meetings	A	R	R	R	I	I	I
Weekly Progress Reports	A	R	R	R	I	I	I
Stakeholder Communication	R	C	C	C	C	C	C
Issue Escalation	A	R	R	R	I	I	I