

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)

Hormis Nagar, Mookkannoor PO, Angamaly, Kochi
Accredited by NAAC with 'A+' Grade



DEPARTMENT OF COMPUTER APPLICATIONS

SYNOPSIS OF THE MAIN PROJECT

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Project Title	AanganCare: Digital Ecosystem for Anganwadi Services
Area of the Project	MERN STACK
Date of Submission	1/1/2025
<p>AanganCare (Digital Ecosystem for Anganwadi Services) is a digital platform that manages the health, nutrition, and education of children, pregnant women, and teenagers. It tracks children's growth, vaccination, feeding schedules, and provides special needs support for disabled children. The system also includes maternal health management, tracks iron supplement distribution for pregnant women, and offers nutritional support to teenagers. AMS facilitates communication between parents, caregivers, and Anganwadi workers, manages government schemes and subsidies, and provides counseling services. Additionally, it offers training for Anganwadi workers to ensure efficient service delivery and improved child and maternal care. By digitizing records, generating insightful reports, and leveraging analytics, the system ensures transparency and data-driven decision-making. Overall, AanganCare empowers communities by fostering healthier environments, improving service efficiency, and ensuring holistic child and maternal care.</p>	
Front End & Back End Tools	Front End: <ol style="list-style-type: none">1. React: A library for building the user interface of your app.2. React Router: Manages navigation within the app.3. Bootstrap: Provides pre-designed UI components to make your app look good.4. Axios: Helps in making requests to your backend server.

Back End:

1. **Node.js:** Runs your server-side JavaScript code.
2. **Express:** A framework for building your backend API.
3. **MongoDB:** A database to store user and exercise data (or you could use SQL databases like PostgreSQL).
4. **JWT:** Manages user authentication and keeps your app secure.

Development Tools:

1. **Visual Studio Code:** A code editor where you write your code.
2. **Git:** Tracks changes in your code and collaborates with others.
3. **Postman:** Tests your API to make sure it's working correctly.