**NSS App Features:**

1. Login faculty
2. Manage All Student Registration
3. Manage All Items for Used in NSS Camp (Item Name, number of item)
4. Student Attendants
5. Create report for all student attendants

**1. User Authentication & Profile Management** TABLE USERS(id,name,email,phone,course,sem,password,role[Student ,Volunteer And faculty])

* Student ,Volunteer And faculty Registration
* Login via Email/Phone/College ID
* Profile Creation with NSS Unit Details

**2. Dashboard(User)**

* Quick access to upcoming events, notifications, and progress tracking
* Personalized user experience for students, coordinators, and administrators

**3. Event & Activity Management** Event-camp(name,about,activity[list],place,startdate,enddate) student(eventid,name,course,sem,roll,phone,fatherphone)

* Create, update, and share NSS activities/events
* Registration for activities (Blood donation, Cleanliness drive, Plantation, etc.)
* Attendance & Participation Tracking

**4. Notifications & Alerts**

* Instant push notifications for upcoming events, deadlines, and announcements
* SMS/Email reminders for registered activities
* Send notification for any student cannot return NSS -CAP or -T shirt

**5. Manage All NSS Tools** NSSstore(name,itemsNO,) CampItem(camp-id,name,usedNO)

* How many tools available in NSS store
* How many tools used in any camp
* Easy to count all tools and items

**6. Community & Social Interaction**

* Discussion forums & Chat groups
* Sharing images/videos of NSS activities
* Feedback & Suggestions section

**7. Reports & Certificates**

* Generate monthly/yearly reports for coordinators
* Download participation certificates
* Performance analytics for volunteers

**8, Manage Student**

* Student attendance for who student is come to NSS camp
* Create Certificate for All NSS student

**9. Help & Support**

* Contact NSS Coordinators
* FAQs & Guidelines
* Chat Support for Queries

**10. Admin Panel**

* Approve/reject event registrations
* Manage student & volunteer database
* Generate statistics and reports

FOR DEVELOPERS

**National Service Scheme (NSS) Android App Design**

**1. Introduction** The National Service Scheme (NSS) Android app is designed to provide volunteers with a digital platform to access information, register for events, track activities, and stay updated with the latest NSS initiatives. This document outlines the design, features, and development plan for the NSS Android app.

**2. Features**

* **User Registration & Login**: Secure authentication using email and phone number.
* **Dashboard**: Overview of upcoming events, notifications, and volunteer statistics.
* **Event Management**: Register for NSS activities, receive event details, and track attendance.
* **Activity Tracking**: Volunteers can log their participation hours and contributions.
* **Notifications & Alerts**: Instant updates on new events and important announcements.
* **Profile Management**: Users can edit personal details and view their NSS achievements.
* **Feedback & Reporting**: Submit feedback and report issues regarding activities.

**3. User Interface Design** The app will have a simple and intuitive UI with the following main screens:

* **Login/Signup Screen**: User authentication and onboarding process.
* **Home Dashboard**: Displays user profile, upcoming events, and activity summary.
* **Events Page**: List of available NSS events with registration options.
* **Activity Log**: Users can view and update their participation records.
* **Notifications Center**: Updates and alerts regarding NSS initiatives.
* **Settings Page**: Manage profile, privacy settings, and app preferences.

**4. Technology Stack**

* **Programming Language**: Java/Kotlin
* **Development Framework**: Android SDK
* **Backend**: Firebase / Node.js with Express
* **Database**: Firebase Firestore / MySQL
* **UI Design Tools**: Figma / Adobe XD
* **Push Notifications**: Firebase Cloud Messaging (FCM)

**5. Development Plan**

* **Phase 1: Planning & Design**
  + Define app objectives and target audience
  + Create wireframes and UI designs
* **Phase 2: Development**
  + Set up the development environment
  + Implement core features (authentication, event management, activity tracking)
* **Phase 3: Testing**
  + Conduct unit testing and user testing
  + Fix bugs and optimize performance
* **Phase 4: Deployment**
  + Publish on Google Play Store
  + Provide user guides and support
* **Phase 5: Maintenance & Updates**
  + Release updates based on user feedback
  + Add new features and improve functionality

**6. Conclusion** The NSS Android app aims to enhance volunteer engagement and streamline event management. With an intuitive interface and essential features, the app will serve as a valuable tool for NSS participants and coordinators.

*End of Document*