Key Features:

1. **User Registration & Profiles**
   - Students and faculty can sign up using their university email IDs.
   - Users can maintain profiles with their preferences, past orders, and delivery history.

2. **Menu & Customization**
   - Display daily menu with the option to customize orders (e.g., vegetarian, spice levels).
   - Detailed descriptions, images, and nutritional info for each item.

3. **Real-Time Order Tracking**
   - Users can track their order in real-time with a dynamic map showing delivery progress.
   - Push notifications to alert users when the order is confirmed, being prepared, and when it's out for delivery.

4. **Campus Location Mapping**
   - Integration with campus GPS for accurate location-based delivery.
   - Users can specify exact location on campus or select from a list of popular locations (classrooms, libraries, dormitories).

5. **Order Management Dashboard** (Admin and Canteen Staff)
   - Admins and canteen staff have a dashboard to view, update, and manage orders.
   - Real-time updates for the order preparation and delivery status.

6. **Payment & Invoicing**
   - Secure payment gateway (UPI, credit/debit cards, wallets) for online payments.
   - Invoices and receipts can be viewed and downloaded within the app.

7. **Rating & Feedback**
   - Users can rate food quality and delivery service after every order.
   - Feedback is collected to improve food quality and service.

8. **Dietary & Allergy Preferences**
   - Users can set dietary preferences (e.g., vegetarian, gluten-free) and allergies.
   - The system suggests meal options based on user preferences.

9. **Order History & Repeat Orders**
   - Users can easily view their past orders and reorder their favorite meals with one click. This could include special discounts for repeat orders.

10. **Push Notifications for Special Offers/Discounts**
    - Notify users of daily/weekly discounts, promotions, or special meal deals available in the canteen.

11. **Customizable Meal Plans for Students and Faculty**
    - Offer meal plans tailored to students' or faculty members' preferences or dietary restrictions, such as daily meal plans or vegetarian options.

12. **In-App Chat/Customer Support**
    - A real-time chat feature where users can ask questions, resolve issues, or get support related to their orders. This can be powered by live agents or an AI chatbot.

13. **Smart Recommendations**
    - Based on users' previous orders, preferences, and popular items, the app suggests new meals they might enjoy. This can also include recommending food based on the time of day (e.g., breakfast options in the morning).

14. **Delivery Time Slot Selection**
    - Allow users to select preferred delivery time slots (e.g., during class breaks or before specific meetings), with real-time scheduling for better accuracy.

15. **Event-based Menus**
    o Offer unique menus during special campus events, holidays, or festivals (e.g., special meals for sports events or graduation week).
16. **Student Discounts & Loyalty Programs**
    o Offer discounts or loyalty points that can be redeemed for future orders, encouraging frequent usage and customer retention.
17. **Canteen Inventory Management (Admin Feature)**
    o Real-time tracking of food items, stock, and ingredient availability. Admins and canteen staff can manage supplies to avoid shortages or overstocking.
18. **User-Curated Meal Combos**

- Allow users to create their own meal combos from the menu items and share them with friends. Other users can like or comment on these combos, creating a more social and interactive experience.

11. **Guest Ordering Option**

- Let non-registered users (guests, alumni, visitors) place orders for delivery or pick-up on campus by providing a simple guest checkout option.

12. **Allergy Alerts & Health Warnings**

- The app can show alerts for food allergens present in specific meals, and users can add their allergies to their profiles for personalized suggestions.

13. **Split Payment Option for Group Orders**

- Users can split the payment for group orders among participants, making it easier for multiple people to share a meal.

14. **Meal Prep & Takeaway Option**

- Users can order in advance, place meal prep orders for the day/week, or opt for a takeaway option to grab their food on the go.

15. **Integration with Campus Events**

- Integrate the app with campus event calendars. For example, offer special deals during exam weeks, student festivals, or after sporting events to engage users.

Innovative Suggestions:

1. **AI-Driven Personalization**
    o   Use machine learning to predict a user's meal preferences over time, offering more personalized recommendations based on their eating habits and feedback.
2. **Food Waste Reduction Features**
    o   A feature to encourage sustainable consumption, where users can opt for smaller portion sizes to reduce food waste, with discounts offered for choosing eco-friendly options.
3. **Canteen Staff Recognition**
    o   Allow users to rate and leave feedback for canteen staff, rewarding high-performing employees with incentives or recognition. This can also improve the overall service quality.
4. **Campus-Community Integration**
    o   Introduce a feature where students can suggest and vote for new dishes to be added to the menu, creating more engagement with the campus community.

5. **Group Orders**
    o   A feature where multiple students or faculty can join together and place a single bulk order for delivery to a shared location.
6. **Real-Time Menu Updates**
    o   Dynamic updates to the menu based on availability (e.g., when an item runs out, it gets marked as unavailable, preventing unnecessary orders).
7. **Smart Meal Plans**
    o   Subscription model where students can pre-order meals for the week or month, and get discounts on bulk orders.
8. **In-App Polling for New Items**
    o   Let users vote on new items they'd like to see in the menu, driving engagement and offering personalized meal options.
9. **Sustainability Dashboard**
    o   Users can track their eco-impact, such as the reduction in plastic usage, waste, and carbon footprint based on their food choices (for example, reusable packaging options).