

#### A. Planning

- 1- Stakeholders Analysis.
- 2- Project Charter.
- 3- Stakeholders Engagement.
- 4- Communication Management .
- 5- Project Scope.
- 6- Building Team.
- 7- WBS Structure.
- 8- Risk Management.
- 9- Estimation.
- 10- Scheduling.

#### B. Design

- 1- Software Architecture.
- 2- High Level Design.
- 3- Detailed Design.

#### C. Implementation

- 1- Implementation of the mobile app which is used by Purchaser.
  - i. Authentication
  - ii. Maps Integration
  - iii. QR code reader
- 2- Implementation of control panel for the Application management(Web page)
  - i. Authentication.
  - ii. Application monitoring.
  - iii. Managing Users and Business Owners.
  - iv. Recording The actions made through the application.
- 3- Implementation of control page for the Businesses owners/Partners.
  - i. Authentication.
  - ii. Discount Management
  - iii. Card usage monitoring

#### D. Testing

- 1- Purchaser Application Testing
- 2- Management Control Panel Testing.
- 3- Businesses Owners Control Page Testing.

#### E. Deploy

- 1- Customer Approval
- 2- Initial Deployment with small number of businesses
- 3- Rework on the system users feedback
- 4- Full Deployment.

#### F. Closure

- 1- List or Issues documentation.
- 2- Gained Experience documentation.
- 3- Team Appraisal