

## 8. Online Shopping System:

### \* Problem statement:

An online shopping system aims to develop a software that can manage various operations such as search for products, filter products and buy and sell products.

### # SRS

#### 1. Introduction:

- clearly document and define functional and non functional requirements by ensuring effective shopping management catalogue.
- Ensure the system is fast, reliable and user friendly.
- Describes main features and serves as a reference for all teams, ensure that all objectives are met.

#### 2. General description:

User community for the system is customers, merchants and IT professionals. Faster and much more convenient way for purchasing products. Key features include: user friendly interfaces, products catalogue, searching for products under specific categories.

#### 3. Functional Requirements:

- Provide customer support for any problems.
- Verify the customer details.
- Accept and process card details.

#### 4. Interface requirements:

- Userfriendly and easy to navigate user interface.
- Interface that supports multiple payment gateways.
- Provide easy communication between customer and merchants.

#### 5. Performance requirements:

- Quick responses from the interface.
- Must process transactions within 2-3 seconds.
- Fast search algorithm that provides accuracy.

#### 6. Design constraints:

- Data security
- Modes of payments to be accepted.
- Region of service

#### 7. Non functional attributes:

- **Security**: System has to ensure that all user details along with credit card information is stored safely and is protected from unauthorized access.

- **Portability**: Has to be designed to run across multiple platforms and multiple devices.

- **Data leak should not occur**.



## 8. Preliminary schedule & budget:

- Planning: 1 month
- Development: 5 months
- Testing: 2 months
- Hardware: \$20,000
- Training: \$10,000
- Personnel: \$25,000