

PROJECT PROPOSAL

1. Title of the Project:	Full Stack E-commerce Website
2. Objective of the Project:	To design a basic E-commerce Website using Python Django Framework.
3. Tech Stack used:	Front-end: HTML, CSS, JavaScript (Basic) and Bootstrap (No frameworks for frontend) Back-end: Programming Language: Python Framework: Django
4. Idea of the Project:	The idea of the project is to create a basic shopping site where the customer can purchase the required items and perform a checkout for their order. There is an additional payment gateway which allows the customer to pay for the products purchased.
5. Application of the Project:	<p>With the current growing e-commerce business, it is necessary for the businesses to create a website which grabs the customer's attention. An ecommerce website is same as a virtual store where visitors can come, pick the products of their choice and become customers by purchasing them.</p> <p>Advantages include:</p> <ul style="list-style-type: none">• Reaching people in remote locations who have no access to physical stores.• Expansion of business• Contactless shopping during the current pandemic. <p>Therefore, these are the few applications and their advantages of the project.</p>
6. Method of Implementation:	Steps for implementation: <ul style="list-style-type: none">• Installing Django and creating a new project• Creating a new app inside the project.• Creating views and URLs inside the app.• Creating the static and templates folder

	<ul style="list-style-type: none"> • Designing all the HTML pages including the homepage, cart page and checkout page using Bootstrap, CSS and JavaScript. • Creating the models and registering models into admin. • Adding functionalities to Sign In, Register Pages, Add to Cart, Checkout Form, Process Order etc. • Make migrations and migrate to include the database into the project • Create superuser (admin). • Now include a payment gateway into the project. (Preferably Paytm) • Adding any additional features to the UI of the project like a search bar etc.
7. Timeline:	<ul style="list-style-type: none"> • 17/07/21 – 22/07/21 – Setting up Django and Designing the front end • 23/07/21 – 30/07/21 - Setting up models, functionalities for pages • 31/07/21 – 05/08/21 – Payment Gateway and other UI designing if needed. • 06/08/21 - / - Final check and changes if any
8. Expected Outcome:	Outcome of this project will be a fully-functional E-commerce website to purchase the products.

Name: Karthik Srinivas Bhallamudi

Registration Number: 20BCI0124

Basic Functionalities of the site include:

- Customer login or register
- Shopping Cart
- Search bar
- Add to Cart Functionality and Check Out Page
- Product description with prices
- Cart Details
- Shipping details and current orders
- Payment Gateway