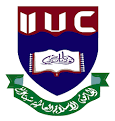
**Feasibility Study – Bike BD online Shop**

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**Lab Report**

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1. **Title :**  **Feasibility Study – Bike BD Online Shop**
2. **Project Introduction :**

Bike BD is an online shop project that aims to provide a convenient and hassle-free way for customers to purchase bikes and related accessories in Bangladesh. With a wide range of options, you can choose the bike that best suits your needs and budget. Our user-friendly interface helps you to navigate through the site with ease.The project will leverage the power of e-commerce to provide a seamless buying experience for customers, allowing them to browse and purchase products from the comfort of their own homes. With competitive pricing and fast, reliable delivery, Bike BD aims to become a trusted and preferred destination for bike enthusiasts across Bangladesh.

1. **PIECES Framework for our project Feasibility Study** :

* **Performance:**

Bike BD Online Shop is a platform that provides you with an easy and convenient way to buy bikes online. Our platform provides you with a detailed description of each bike, including its features, price, and availability. You can also compare different bikes to make an informed decision.A customer who already own a bike can also buy parts through us. . A simple but responsive user friendly website that will be responsive to all mainstream devices making the users easy to interact with. The users can get the details of their desired bike accessories, check the prices of the products and even order some of them in online. However, here are some general indicators of a successful performance for an online shop:

1. **Customer Acquisition and Retention:** The online shop should have a clear strategy for acquiring and retaining customers, such as through targeted marketing campaigns, loyalty programs, and exceptional customer service.
2. **Payment:** Payments We accept various payment options, including credit cards, debit cards, and online bank transfers. In some small transactions we accept mobile banking to make the process convinient for you. Our secure payment gateway ensures that your transactions are safe and secure.
3. **Website Traffic:** The online shop should have a steady flow of website traffic from a variety of sources, such as organic search, social media, and paid advertising.
4. **Customer Satisfaction:** The online shop should prioritize customer satisfaction and feedback, with a focus on providing a seamless buying experience, fast and reliable delivery, and responsive customer service. Customers can talk about their bike problems with the customer care service of the brand, know the estimated price of the services for the on-spot service through this website.

* **Information :** The bike bd online shop project is an e-commerce platform that sells bike and related accessories in Bangladesh. Bike BD Online Service, you can save time and money by avoiding the hassle of going to a physical store in first place. Our platform provides you with a detailed description of each bike, including its features, price, and availability. You can also compare different bikes to make an informed decision. A customer who already own a bike can also buy parts through us.
* **Economy :** Bike BD online shop can leverage this growth in both the bike and e-commerce industries by offering a wide variety of bikes and related products at competitive prices, with convenient delivery options and reliable customer service. As more and more people turn to online shopping, an online bike shop can tap into a growing customer base in Bangladesh and potentially expand its reach to other countries in the region. Here are some key points to consider:
* **Market demand**: The bike industry has been growing rapidly in recent years, with more people using bikes for transportation and recreation. An online bike shop can tap into this growing market by offering a wide variety of bikes and related products.
* **Competition:** The online bike market is becoming increasingly crowded, with numerous online retailers selling bikes and related products. An online bike shop will need to differentiate itself from competitors by offering competitive prices, a wide selection of products, and reliable customer service.
* **Supply chain and logistics:** Managing inventory and supply chain is crucial for an online bike shop. Ensuring a steady supply of products at competitive prices, along with efficient logistics and delivery services, can help the business stand out from competitors and provide a positive customer experience.
* **Economic environment:** The economic environment, including factors such as inflation and exchange rates, can impact the profitability of an online bike shop. The business will need to monitor economic trends and adjust pricing and operations accordingly to remain competitive.
* **Control :** The data will be saved to the (MONGODB) server which is safe. The data will be saved to the database only with official data. MONGODB can be used to create backups of important data, which can help prevent data loss in case of system failures or other unfore.
* **Efficiency:** The efficiency of a bike BD online shop can be evaluated based on several factors, such as the speed of the website, the accuracy of order fulfillment, and the overall customer experience. Here are some ways to improve the efficiency of a bike online shop:

* **Website speed**: Optimizing the website speed can significantly improve the efficiency of the bike online shop. Customers are more likely to abandon a website that loads slowly, resulting in lost sales. Minimizing the size of images and using a content delivery network (CDN) can improve website speed.
* **Order fulfillment accuracy:** Accurately fulfilling orders is important for customer satisfaction and repeat business. Implementing quality control measures, such as checking orders for accuracy before shipping, can help reduce errors and improve efficiency.
* **Payment processing:** Streamlining the payment process can improve the efficiency of the bike online shop. Offering multiple payment options and using a secure payment gateway can make the checkout process faster and more efficient.
* **Services :** Customers can see details of various brands of bikes, their price ,offers etc. They can see the details of various bike accessories and order some of them online which can be transferred by the dealers if possible.Since it is a multi-brand company, various brands bikes are available in this shop and they can get all the details from this website

1. **Software Feasibility Study Report :**

**V. Overview :**