

E-Commerce Website for Offset Printing

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<p>Keyword:</p> <p>Customize design, Home Delivery</p>	<p>Abstract</p> <p>This paper explains E-Commerce Website for Offset printing is an E-Commerce website that system provide the functions like printing a product with customize design. This system provides printing product like visiting cards, wedding cards, Doctor prescription, etc. Customer fill up all details for print product on our website and then upload their customize design related to that printing product after that, we printing that product as per customer's requirement and deliver that product at customer's home. Our system provides quality product to our customers quality like paper thickness, paper shiny, color brightness etc. We provide multiple option to our users related to designing. And also, we deliver product in few days. User enter all data related to their product like matter of product, customize design or design template of product etc. Then we generate a sample proof of product and upload to customer's email id to check this proof and send correction or mistake related to their product. After that, finalization of product as per user needs and requirements. Also, we provide flipbook or design book to our customer</p>
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I. INTRODUCTION

E-Commerce Website for Offset printing is an E-Commerce website that system provide the functions like printing a product with customize design. This system provides printing product like visiting cards, wedding cards, Doctor prescription, etc. Customer fill up all details for print product on our website and then upload their customize design related to that printing product after that, we printing that product as per customer's requirement and deliver that product at customer's home. Our system provides quality product to our customers quality like paper thickness, paper shiny, color brightness etc. We provide multiple option to our users related to designing. And also, we deliver product in few days. User enter all data related to their product like matter of product, customize



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design or design template of product etc. Then we generate a sample proof of product and upload to customer's email id to check this proof and send correction or mistake related to their product. After that, finalization of product as per user needs and requirements. Also, we provide description related to each product like paper gsm, printing side etc. And display more photos of each product. We provide more features to our customers like give feedback, show feedbacks of other customers.

There are two ways to payment of product, we provide two services like cash on delivery service and online payment service also we provide security to our customer related to payment. In our website there is information about why choose us, what do we? In detail, also we provide information about our team members so customer can easily understand our website and easily interact with us. In our website there is all information of customer like he's registration information, then their order related information like product name, total bill, product quantity etc.

Also, we provide flipbook or design book to our customer in that book their many designs of product and give id related that design. If customer want that design, then this design id mention in order form. Our proof related communication is established through email so customer does not need to login to website again and again. We also provide rate card of product so it is easily to customer to Know about rates of product. We also mentioned about our machinery that used to create the customer product. We also give some offers to our customers so that our customers will be happy.

A. Background

We created E-Commerce website for Offset Printing that provide delivery of offset printing products like wedding cards, Doctor file, visiting cards etc. We discuss to create this website because, firstly we observed or studied exiting system that provide offset printing services. We observed that exiting system provide very less services to customer.

In existing system, there is very few products for customer like one website provide only wedding card services, another is only providing visiting card services etc. And existing system does not provide customize design service to customer. And existing system does not provide proof section service to their customer. Existing system does not provide customer information like registration information, order information etc. to their customer. Existing system does not provide information of machinery related to their product. This all things are observed by us for developing the website.

The process shown in above fig. It consists of the following steps sequentially:

Registration Form – New customer visit on website will firstly register or create account on our website for further use.

Login Form- After registration, created one account for user for stored all information related to their order and user can login this account using email and password which is filled in register form.

Product Order Form- After login user can buy product. There are two forms in this website related to order first is Product order Form for website design and second customize design order form for customer's own design.

Payment Form- After purchasing order customer redirect on payment form. In payment form there is two options for user like online payment or cash on delivery payment.

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B. Literature Survey

Before create our E-Commerce website, we verify all website that provide offset printing products. First and important thing that is existing system does not provide customize design facility to their customer. So, we provide that facility in our website so that customer can easily choice their own design. Second thing is existing system does not provide home delivery facility, so we added this facility in our website so that our customer buy product from our website without any trouble. Third thing is existing system does not provide all products in single website. So that this feature is added in our website so that once customer can login in our website then it can be purchasing any product related to offset printing.

Existing system does not provide customer information to their customers like registration information, order information then product status, total bill amount of product, how many and which products was bought in past etc. So that we also added this facility in our system so customer can easily maintain their product history. So that overcome this all drawbacks of existing system we decide to create this website.

Existing system does not provide design flipbook for customer, we provide design flipbook to our customer so that customer easily choose their design. Existing system does not give any information about their product such as what is types of laminations, what are sizes of paper, what is gsm of paper etc. so that customer cannot understand the product properties very well. So that we provide properties for each product so customer can easily understand the product.

Existing system does not mention the information about characteristics of offset product such as what is spot lamination? when spot lamination will be used? what is purpose of spot lamination? How see product after laminated by spot lamination? Etc. This all information provided by our system so that customer easily choose their products structure. Existing system cannot provide proof communication facility to customers, so that there will be more chances to occur mistakes in product. So, we provide proof communication to our customer by using email so that user can easily communicate with us without log in to website again and again.

C. Research Gap

E-Commerce website is today's part of shopping. E-Commerce website is very useful for customers who unable to shopping outside of home. So, we observed that customers in trouble related to purchase offset related products outside from home troubles like go for purchase offset product far away from home, then disagree with quantity product, higher rates, after purchase offset product goes again and again to shop for proof checking, correction of product, collection of products etc. After all this customer is disagree with product design. So, in current situation customer is facing all those problems related to offset printing products. So, we decide to find solution on these problems.

We decided to develop offset printing website because, due to less services there is interest of customer for offset printing product is reduced. So decided to provide more facilities to our customers to it can easily buy product from online without any disappoint and trouble. We provide many services like home delivery, customize design etc. Due to all these problems mentioned above, customer irritated and avoid to interact with offset printing press, businessman and products.



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Customers finding other ways that overcomes all these problems. So that customer gives preferences to other ways like online design making app and this design products used for daily purposes. So, credit of offset printing products down all of these problems. And customer's interest is slowly reduced in offset printing products. So, avoid this all, we decide to create E-Commerce website for offset printing products. Existing system direct print product after placed the order so that there are more chances to occur multiple mistakes in product and customer get disappointed.

So, we decided to provide proof communication to our system means after placed order we create the order and after creating the order we send this product's proof to customer for rechecking so that this avoids the mistakes in product and we can provide quality product to our customers. This all-proof communication occurs using email. Most of service provider has lack of knowledge about offset products like paper GSM, paper size, paper types, ink types etc.



so that most of service providers are unable to provide accurate and good quality product to customers. Due to this problem, customers are not interested to buy online product of offset printing.

C. Objective

Our E-Commerce Website based on Offset Printing Product provide more facility to our system. Our system overcome existing system's all problems. Our system has attractive user interface so that customer can easily interact with our system. Our system's main and important facility is we provide customize design to our customer so that user easily choice their own design related to that product.

We provide home delivery service to our customers. We provide more products related to offset printing. Our system provide security related to online payment system. We provide all information to our customers like our machinery, our working team etc. Our system provides all online facilities to our user or customers.

We created E-Commerce website for Offset Printing that provide delivery of offset printing products like wedding cards, Doctor file, visiting cards etc. We discuss to create this website because, firstly we observed or studied existing system that provide offset printing services. We observed that existing system provide very less services to customer. In existing system, there is very few products for customer like one website provide only wedding card services, another is only providing visiting card services etc.

D. Scope

Our system gives more benefits to our users. First is user can choose design or give their customize design for product. Second benefit is we provide home delivery service to our customer. Third is we provide more and more products in place so user can easily purchase products. Fourth is we collect feedback from users for improve our system for more reliable and also show feedback to our users so that user can easily understand our system and easily buy products from our system. We provide all information about our system so that user easily interact with us. We created E-Commerce website for Offset Printing that provide delivery of offset printing products like wedding cards, Doctor file, visiting cards etc.

We discussed creating this website because, firstly we observed or studied existing systems that provide offset printing services. We observed that existing system provide very less services to customer. In existing system, there is very few products for customer like one website provide only wedding card services, another is only providing visiting card services etc. And existing system does not provide customize design service to customer. And existing system does not provide proof section service to their customer. Existing system does not provide customer information like registration information, order information etc. to their customer.



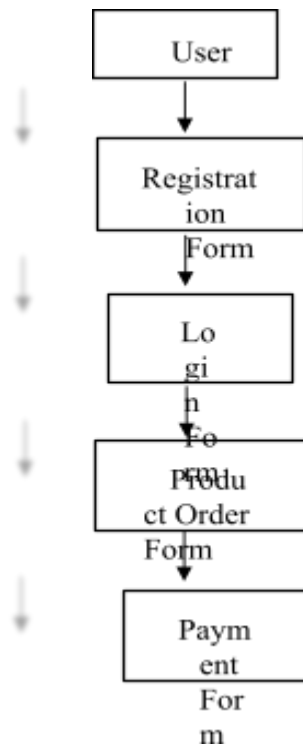


Fig 1: Process of website.

Existing system does not provide information of machinery related to their product. This all things are observed by us. Customers are irritating from go market far away from home, disagree with product quantity, disagree with product design or unable to choose their own design, problem of higher rates, visit again and again for proof checking, corrections etc.

II. MATERIALS & METHODS

A. List of Materials

- 1) Computational Resources:
 - i5 Intel processor
 - 8 GB RAM
 - 4 GB Graphics card
- 2) software requirement:
 - Operating System – Windows 11
 - Editor - Microsoft word 2023



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B. Step – by – Step procedure:

1. Requirement Gathering: - First and initial step is requirement gathering. Collect all requirements that required for system. These requirements are collected from customers, shopkeepers, businessman etc. There are three types of requirements for system: -
2. Planning: -After requirement gathering, next step is planning. In planning, we plan our system functionality means how system will interact with user, which facility provided by system. Then plan the languages that are used to build our system
3. Designing: - After planning phase, next step is designing. So, we design the front-end of system. In this design, we include all the components, module like registration form, login form etc. In this phase, we design the user interface of system. So that it gives us rough idea about our system. It also gives idea about which component will be placed in which module. During designing phase, we added some components and modules and adjust some module according to system design.

C. Tools & Instruments used for Data Analysis

1. Scrutinizer is widely used analysis tool. It seamlessly integrates into the software development workflow, and continuously builds and deploys application code.
2. Tableau – Tableau, now a part of salesforce, is a leading data visualization tool. It allows allow users to create interactive and shareable dashboards.
3. QlikView – QlikView is product from Qlik, an organization that makes a specialty of data visualization and business intelligence.
4. Jupyter Notebook- Is an open-source undertaking created through project Jupyter, a collaborative attempt of academics and researchers.
5. Stata – StataCorp is a company specializing in statistical software, known for its product stata.

D. Technologies used

For developing the website, we used technologies which are based on web development. In web development their develop



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website in two stages. These stages are mentioned following: - Front-end development: - HTML – For develop the structure[1] CSS – For design to structure[2] JavaScript-For Make website dynamic[3] PHP – For database and server side[4][8] PHPMailer – Email Auto Generation[5][7]

III. RESULTS AND DISCUSSION

A. Data as a result/findings

Data Interpretation: We examining the collected data to identified patterns, trends, and relationships. This involves analysed numerical data, charts, graphs, and other visual representations to draw conclusions.

Comparison with Objectives: In this phase we compared the actually outcome with expected outcomes. We check all the requirements that required for user

Impact Assessment: we evaluating the impact of the project on the targeted areas or stakeholders. This was involved considering both intended and unintended consequences.

Lessons Learned: During developing the project, we learned that contribution of each person is very helpful and effective in order to complete task in early time

Recommendations: We added automation email system in our system so that, it is easy to communicate with user through email for proof communication.

Conclusions: Successfully completion of system includes contribution of every team member, accurate milestone and perfect timeline to complete milestone etc.

IV. CONCLUSION

E-Commerce Website for Offset printing is an E-Commerce website that system provide the functions like printing a product with customize design. This system provides printing product like visiting cards, wedding cards, Doctor prescription. Customer fill up all details for print product on our website and then upload their customize design related to that printing product after that, we printing that product as per customer's requirement and deliver that product at customer's home. Our system provides quality product to our customers quality like paper thickness, paper shiny, color brightness etc.

We provide multiple option to our users related to designing. And also, we deliver product in few days. User enter all data related to their product like matter of product, customize design or design template of product etc. Then we generate a sample proof of product and upload to customer's email id to check this proof and send correction or mistake related to their product. After that, finalization of product as per user needs and requirements.

Also, we provide description related to each product like paper gsm, printing side etc. And display more photos of each product. We provide more features to our customers like give feedback, show

feedbacks of other customers. There are two ways to payment of product, we provide two services like cash on delivery service and online payment service also we provide security to our customer related to payment. Our system gives more benefits to our users. First is user can choose design or give their customize design for product. Second benefit is we provide home delivery service to our customer. Third is we provide more and more products in place so user can easily purchase products.

Fourth is we collect feedback from users for improve our system for more reliable and also show feedback to our users so that user can easily understand our system and easily buy products from our system. We provide all information about our system so that user easily interact with us. We created E-Commerce website for Offset Printing that provide delivery of offset printing products like wedding cards, Doctor file, visiting cards etc. We discuss to create this website because,

Our E-Commerce website based on offset printing press. Some facilities we added in future. First one we will add payment gateway in payment form. We cannot add payment gateway right now because, payment gateway will be accessible when website is live, and our website is not live at this situation. So, in future when we live the website that time, we will add payment gateway for real payment transaction. Second is we will add map location in website to track product of customer. We are not added this feature right now, because delivery of product is not live right now, when in future live delivery will start that time, we will add the live tracking in our system.

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