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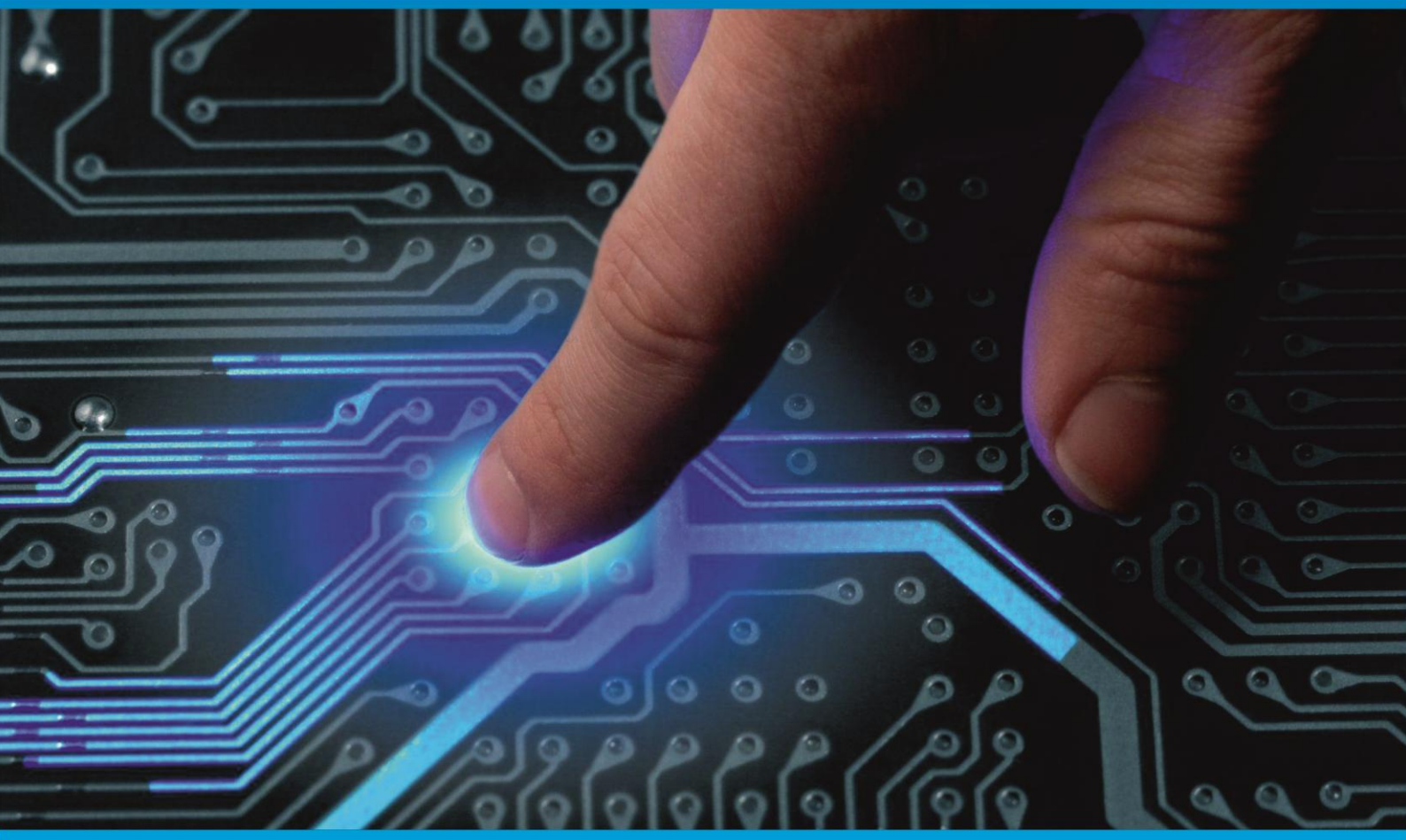

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Online Steel Management System using Image Processing

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ABSTRACT: Electronic commerce or e-commerce may be a term for any form of business, or business dealing, that involves the transfer of data across the net. It covers a spread of various varieties of businesses, from shopper based mostly retail sites, through auction or music sites, to business exchanges, commercialism products and services between firms. It is presently one of all the foremost necessary aspects of the net to emerge.
In this project authorization of the customer is done using image processing which is used to analyze the cheque provided by the customer and to check whether the customer is authorized during check-out.
The fundamental favorable position of internet business over conventional trade is the client can peruse online shops, think about costs, and request stock sitting at home on their PC.

KEYWORDS: Image Processing, Bootstrap, Tesseract OCR, Google DialogFlow

I. INTRODUCTION

The project is a business website for"Arpan Metal Works".As per the requirement of the firm an E-commerce website is developed which includes all their different products that are categorized into 5 different types namely containers, glass, tiffin box, bowls, and cans. The website also has a feedback session that can be monitored by the owner at separate login credentials. With the separate login credentials, the owner can change the product price anytime. After the customer uploads the cheque copy, image processing will play its part where the date, amount, and name on the cheque is captured. These captured details are then forwarded to the admin. After verification is done the order gets placed.

Image Processing

Image processing is most typically termed as 'Digital Image Processing' and also the domain within which it's often used is 'Computer Vision. do not be confused - we tend to area units attending to say each of those terms and the way they connect. Each Image process algorithm and laptop Vision (CV) algorithms take a picture as input; but, in the image process, the output is additionally a picture, whereas in laptop vision the output is some features/information concerning the image.

II. LOGIN PAGE

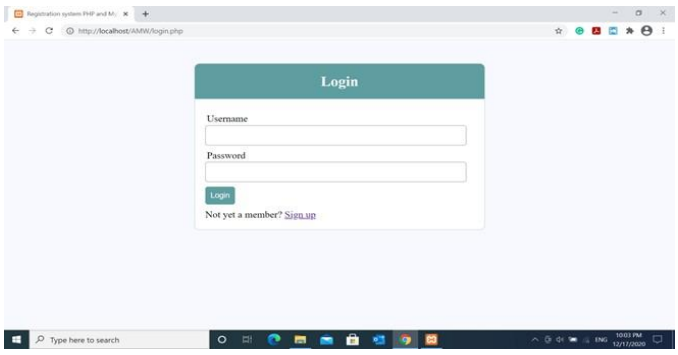

Fig-1: Customer Login

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For expanding the utilization of web-based business in developing nations the B2B internet business is executed for improving admittance to worldwide business sectors for firms in non-industrial nations. For an agricultural nation progression in the field of internet business is basic. The examination system shows the significance of the internet business in non-industrial nations for business applications.

The above image is for general customers to login to who can place purchase orders. There is a different section for admin login which is used by only the administrator/owner in order to alter the price of various products, to check the feedback of the users if provided, and will be keeping a ledger of what orders are been placed, which is yet to dispatch, which are the ones received by the customer.

III. REGISTRATION

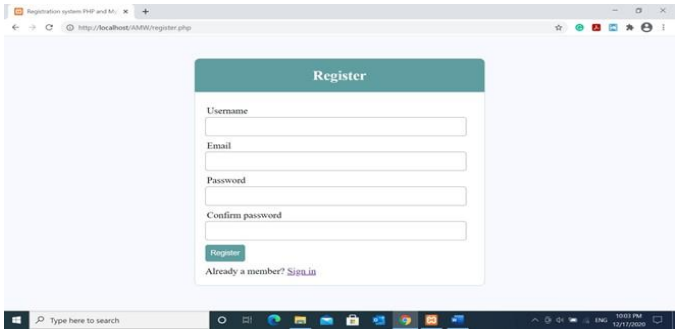

Fig-2: Customer Registration

The customer registration image will be used in order to store the details of the customer which is a prerequisite for each customer, this would provide the username and the password to the customer in order to log in successfully.

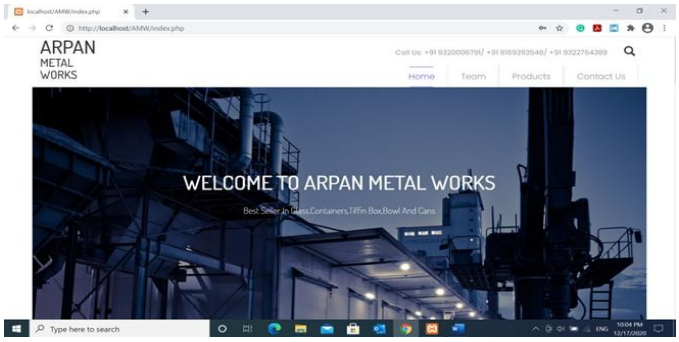

Fig-3: Welcome UI after successful login

IV.DIALOG FLOW CHATBOT

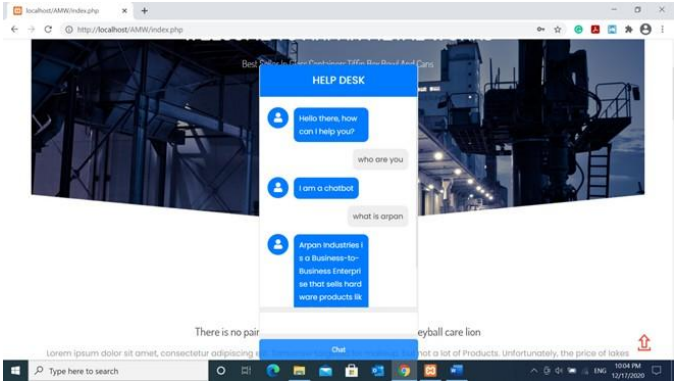

Fig-4: Integrated Dialog flow chatbot

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The integrated chatbot is used in order to simplify the interaction of the user and to help them solve different doubts such as what Arpan is? what products does it sell? etc

V. FEEDBACK

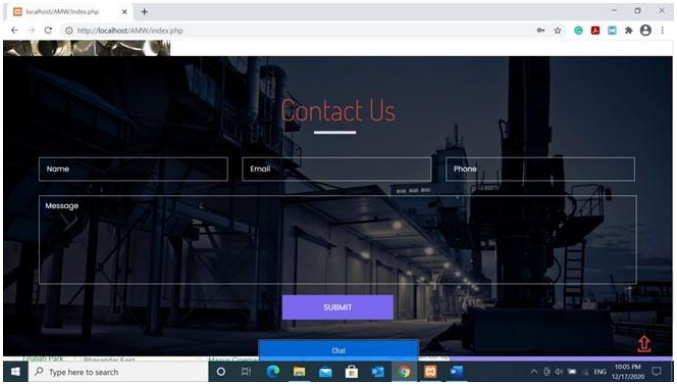
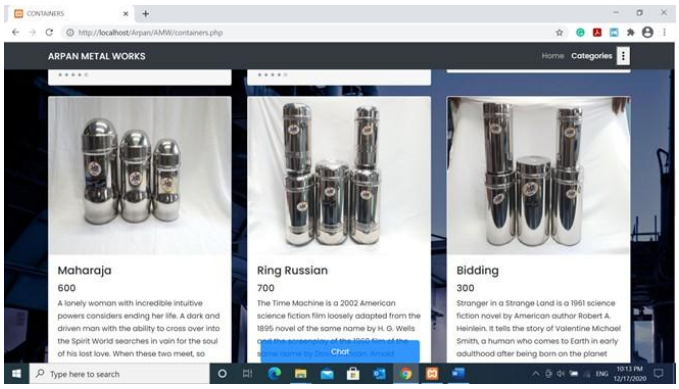


Fig-5: Feedback form

The customers provide the feedback of their experience which is read by the admin/owner depending on which the admin assures to improvise which per petuates a good customer bond with the owner.



VI. CONCLUSIONS

Online business isn't just about managing deals through the Internet. Its effect will be extensive, and more noticeable than we know as of now. This is on the grounds that the transformation in data innovation is going on at the same time with different turns of events, particularly the globalization of the business. In This new age worldwide web-based business is making a completely new economy that will colossally transform us, will reshape the opposition in different ventures, and change the economy internationally. As organizations are acquiring high benefits, an ever-increasing number of different organizations are building their sites to expand their benefits. Since more organizations are being held on the internet bringing about high economic improvement and the development of more imaginative and trend-setting innovation.

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[4] K. Elissa, "Title of paper if known,"unpublished.

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