Computer Automation Perform Smooth Functioning of Industries in Dhule District

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Abstract: - In this paper to study on how computer automation techniques use in business operation, data management, improved product quality, reduce human work, smooth function of organization, good management of work. To analyze of computer automation how perform smooth functioning in commercial organization using computers as well as positive impact to increase performance of industries in Dhule District.

Index Terms— Computer Automation tools, Impacts of Computerization Smooth Functio006E.

I. INTRODUCTION

Automation is the technology by which a process or procedure is performed with minimum human support. Quality assurance software uses in this organization. Employee thump print is use for to starting the machine, if suppose employee print the thump then check operation perform in computer. Unauthorized data cannot access other person because security provided by using computer. Some Automation tools providing using some concepts just like,

• **ICT (Information and Communication Technology)**
Information and communication technology Typically, ICT is widely used for administrative purposes, especially by the large contractor. Information transfer between participants in and between different stages of the project is inefficient and redundant information is created. Transfer of information is often carried out manually. It is very obvious that ICT has done great for businesses. In spite of the possible benefits of ICT, presently a debate exists about how their acceptance enhances firm output. Use of and venture in ICT needs balancing investment in skills, organization and innovation and investment and change entails risks and costs as well as bringing potential benefits.

This presents research, which identified the benefits in using IT, the challenges when it comes to managing it, corporate performance and the attitudes of executives, and the relationship that exists among these dimensions in Dhule District industries. The contribution is to increase the knowledge about the dimensions of the use of this technology, as the relationship among them and the technology, and among the dimensions themselves, and to present a framework for analyzing this use.

• **EDI**
Expenses associated with paper, printing, reproduction, storage, filing, postage and document retrieval are all reduced or eliminated when you switch to EDI transactions, lowering your transaction costs by at least 35%. Automating paper-based tasks allows your staff to concentrate on higher-value tasks and provides them with the tools to be more productive. Data entry mistakes are common, even among the most accurate clerks. With EDI, automated order processing allows for more precise entry, even with supplier- or customer-specific discounts, promotions, and pricing. Order fulfillment and shipping can benefit from improved automation.

• **Cryptography**
Encryption can make it possible to leverage the benefits of infrastructure as a service while still ensuring the privacy of your data. You should ensure data is encrypted in flight, while in use and at rest in storage.

• **Software**
Automated software tools are capable of executing tests, reporting outcomes and comparing results with earlier test runs. Tests carried out with these tools can be run repeatedly, at any time of day.

• **Website**
A website has the ability to have significant impact on your business, both good and bad depending on the quality of your website.

• **Web Mining**
Web mining is the application of data mining techniques to extract knowledge from Web data, i.e. Web Content, Web Structure and Web Usage data. It is used for tracking user if the user visited our website or not.

• **Data Mining**
Data mining is a powerful new technology with great credible to help companies focus on the most important

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information in the data they have collected about the performance of their customers and potential customers.

• **Computer Networking**

Networking is a socioeconomic business activity by which business people and entrepreneurs meet to form business relationships and to recognize, create, or act upon business opportunities, share information and look for potential allies for business enterprise.

• **IOT**

IoT or internet of things is a network of devices, appliances, vehicles and others that are embedded with sensors, electronics, software, connectivity and actuators; enabling them to connect and exchange data in industries.

III. BENEFITS OF COMPUTER AUTOMATION ON INDUSTRIES.

1. Productivity:-
Computer Automation tools are improved the productivity in organization. Some software are used to check the quality of product when it produced in market. If any defects are occurred in the product then computer display the message, to showing alert or machine should be stop "Product quality is less or some problem in this product". Computer system and technologies more effectively and efficiently working in organization.

2. Reliability
Automated operations ensure that jobs are not forgotten or run out of sequence, that prerequisite jobs are completed successfully, that the input data is correct, and that any special processing is performed.

3. Greater Efficiency:-
Computer can significantly improve productivity, the amount of goods or services that organization and machines can produce from given amount of input.

4. Higher quality products-
Computers may also help improve the quality of the product and services in organization. E.g. Computer aided design (CAD) automating the design and drafting process in organization, Controlling and engine fuel mixture, Computer Integrated Manufacturing (CIM) manufacturing facility through the use of computers. Enterprise Resource Planning (ERP) management of goods, Management Information System (MIS)

5. Better Service
Customer receives faster, more accurate service from organization through the use of computers. To get online feedback of service given by organization.

6. Better information retrieval
Computers have over the human brain are speed, accuracy and storage capacity. Computers allow information to be retrieved and stored at speeds mind-blowing for the organization.

7. Performance
Computer takes only few seconds for calculation that we take hours to complete. You will be surprised to know that can perform millions (1,000,000) of instructions and even more per seconds.

8. Planning:-
Organization need to do long range corporate planning in a systematic manner. Such organization development initiatives encompass human resources development, finance and budget allocation, procurement and supply chain, sales and marketing, research and development. Automated business process, etc. to achieve organizational goals.

9. Decision Making:-
In the organization decision making is the most important thing. Various kinds of algorithms implement decision making software. In decision making if any wrong decision may be occurred then some problems occur.
Computer and some system program help organization to classify, arrange, systematize and analyze information. In Some organization uses ERP (Enterprise Resource Planning), SAP, CRM, MIS (Management Information System) enable organization top management and project heads to important decision making processes.

10. Transaction Management:-
Organization performs number of transaction at mixed customer as well as business partner interface. Purchase, sales, Payment, Stock, Product information, Product rate, daily reports, Human Resource Management etc. these transaction perform daily to daily using computers in organization. Computer application speed the process of transaction activates help in calculations, generation of accurate summaries and reports display.
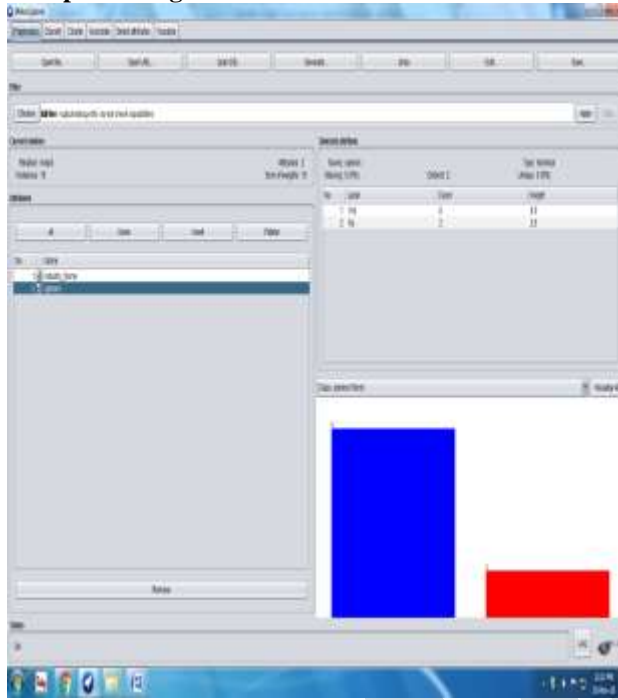
IV. EXPERIMENT

To collect 20 respondent in Dhule district leading commercial manufacturing organization. These are large scale organizations to visit these organizations to conduct some interview for employee and manager also. Creates some questionnaire and arrange some interviews in October month. Check quality of product using computers.
To perform classification and clustering using WEKA

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Software.
• Preprocessing of Data

• Classify using ZeroR
=== Classifier model (full training set) ===
ZeroR predicts class value: Yes
Time taken to build model: 0 seconds
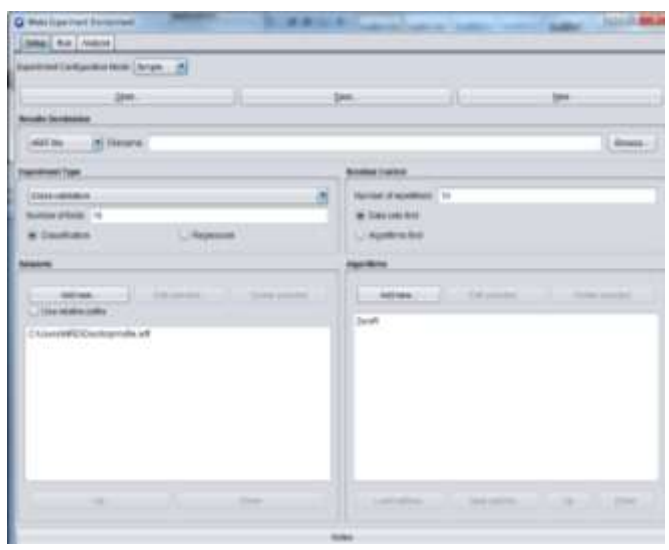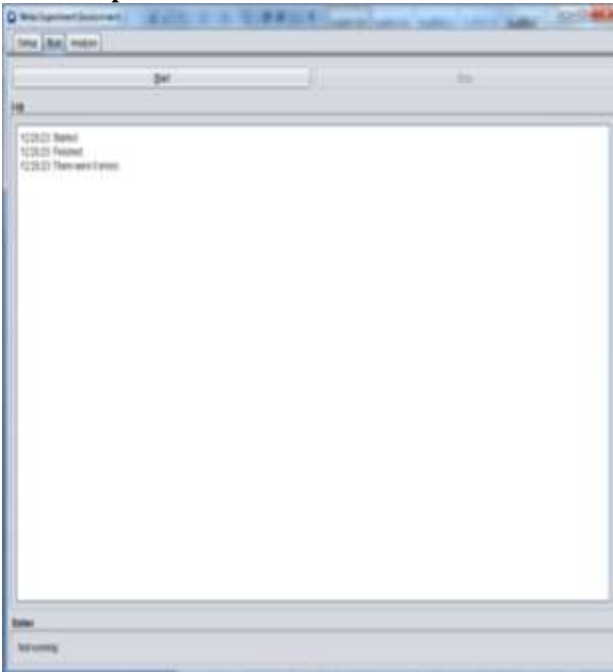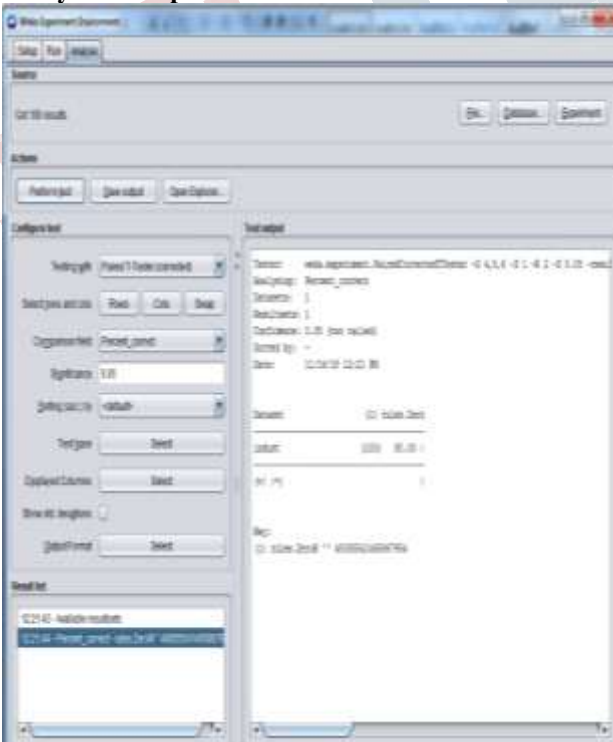=== Stratified cross-validation ===
=== Summary ===

Correctly Classified Instances	8	80	%
Incorrectly Classified Instances	2	20	%
Kappa statistic	0		
Mean absolute error	0.38		
Root mean squared error	0.4359		
Relative absolute error	100	%	
Root relative squared error	100	%	
Total Number of Instances	10		

=== Detailed Accuracy by Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	1.000	1.000	0.800	1.000	0.889	?	0.125	0.725	Yes
	0.000	0.000	?	0.000	?	?	0.125	0.200	No
Weighted Avg.	0.800	0.800	?	0.800	?	?	0.125	0.620	

=== Confusion Matrix ===
a b <-- classified as
8 0 | a = Yes
2 0 | b = No

• Clustered Instances Using Simple KMeans
Number of iterations: 2
Within cluster sum of squared errors: 8.0
Initial starting points (random):
Cluster 0: Maharashtra,No
Cluster 1: Param,Yes
Missing values globally replaced with mean/mode
Final cluster centroids:

		Cluster#	
Attribute	Full Data	0	1
	(10.0)	(2.0)	(8.0)

Time taken to build model (full training data) : 0 seconds
=== Model and evaluation on training set ===
Clustered Instances
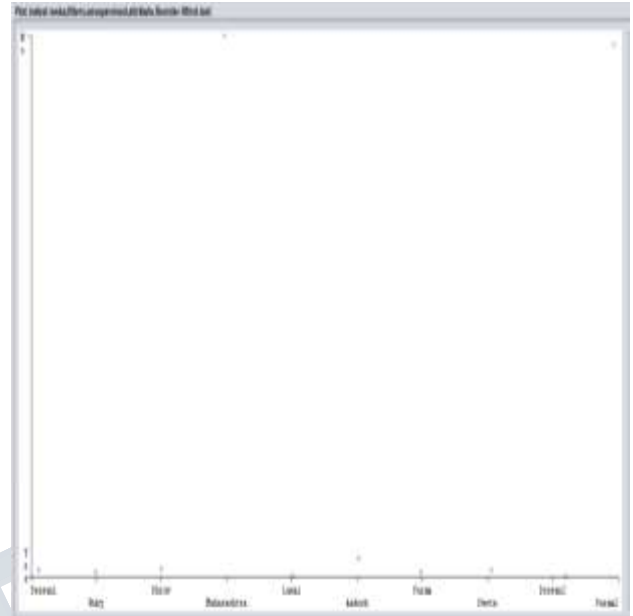0   2 (20%)
1   8 (80%)
Visualize

Run the Experiment

Analyses of Experiment

• **Classification of data**

V. CONCLUSION

It is observed that Computer Automation tools are improved the productivity in industry. Some software's are used to check the quality of product when it produced in market. If any defects are occurred in the product then computer display the message, to showing alert or machine should be stop "Product quality is less or some problem in this product". Smooth functioning is possible because of usages of computers. No difficulties are encountered. Data can be displayed systematically. This paper contains detailed information about the same in industries across Dhule district.

REFERENCES

1. The Impact of Office Automation on the Organization Margrethe H. Olson 25 Issue 11, Nov 1982.

2. Impact of computers in organizations Thomas L. Whisler 1970 Year.

3. Web Mining Bing liu Springer.

4. Fundamentals of computers, V. Rajaraman, PHI publication.

5.https://archive.org/details/1.EngImpactOfComputerMA RATHE.

6. WEKA Manual.

7.www.au.af.mil/au/cadre/aspj/airchronicles/aureview/.../ pribus.html.

8.http://computerimpact.tripod.com/

9.https://www.journals.elsevier.com/computers-in-industry.

10.https://www.researchgate.net/journal/0166-3615_Computers_in_Industry.

11.https://www.ukessays.com/essays/computer-science/the-impact-of-computers-in-our-daily-lives-computer-science-essay.php

12.Data communications and networks- Achyut S. Godbole