IMPACT OF COMPUTER ON ORGANIZATION

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ABSTRACT

Computers are commonly used items in many areas. The computer is one of the most powerful forces in organization today. Computers impacted in organization in many ways. Organization received some benefits using computer (Greater Efficiency, Higher Quality products, Better service, Recreational and educational benefits, Better information retrieval, fast working, Accuracy etc)

In this paper show some benefits as well as positive impact of computers on organization.

KEYWORDS: Computer Organization, Web Mining

INTRODUCTION

In organization computer creates positive impacts over production sell, distributions exchange and conjunction etc. In history Mid-1970s it is felt that computers systems will no longer be mere tools for accomplishing in organizational function; they will be thoroughly immersed in tactical planning. By mid- 1980s John Diebold see computers as "heart of the organizational structure" and expects all levels of management to be involved in one or another information processing activity in commercial organizations.

Computer Impact on the Organization Major Glenn F. Mention, The rapid growth of computer use in business, government, and the military services has led to much speculation concerning the impact computers will have on the using organizations. Early investigation on the organizational impact of the computer by academic researchers suggested that the conventional hierarchical pyramid would be replaced with new organizational patterns. It was felt that there would be a significant change in traditional organizational concepts including structure, middle management roles, centralization versus decentralization, and the interrelationships between functional elements.

THE POSITIVE IMPACT

Organization uses computers for keeping track of accounts, money or items etc. Online help programs within the software.

Computer in Organization / Manufacturing Application

- Order Management

- Computer Aided Design (CAD)

- Manufacturing Resource Planning

- SAP

- MIS

Some Employee, Customer, Organization Point of View

- **Employee Benefits**

Managers decide on what action is most effective for the organization. In Computers perform planning of future activities. Managers may not to spend as much time controlling operation when computer can respond with computed reports. Sales people can receive more timely information about products in stock.

- **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 created then some problem occur.

- **Greater Efficiency**

Computers can significantly improve productivity, the amount of goods or services. In any kind of operation get greater efficiency.

- **Quality Product**

Computers may also help improve the quality of product and services we receive. In Computer-Aided Design (CAD) is a term to refer integration of computers and graphics oriented software for the purpose of automating the design and drafting process.

WEKA this is tool to check various patterns and discovery of any kind of information.

- **Huge of Data**

Computer can store huge amount of data in very small space and stored information is also very easy to organize, manipulate and retrieve.

- **Artificial Intelligent**

Computer can respond to requests given to them and provide information. This is accomplished by the power of the programmers installed in them. Evidence of this is given in industrial robotics.

- Teach employees using computer because improve their performance.

In many organizations arrange seminars, workshop for new workers how to handle the computer. It means knows the importance of computer in the organizations.

- Solving the problems.

- Generating any kinds of reports in few seconds.

- Video Conferencing Tools also use for the any kind of executives manager/ managers.

- Stored the data in database or numbers of files.

- Market intelligence, sales reports and customer insights generated from such systems.

- Payment gateways, accounts, purchase order, an organizational websites.

- Transactional and operational point of view.

- Better control an organization.

- To make research as social point of view and economical point of view.

EXPERIMENTAL

Visit "Priyadarshani Sahakari Soot Girani Ltd TANDE Tal- Shirpur Dist- Dhule (Maharashtra)" is leading commercial manufacturing organization. Organization is to provide the maximum work environment, maximum profit of framers in this district.

It is large scale organization to visit this organization to conduct some interview for employee and manager also. In this organization SAP is working. There are four module uses in SAP technology. SAP technology generates various kinds of reports.

E.g. SAP server any fire damage occure then whole and sole data is transferred into one chip.

Creates some questionnaire and arrange some interviews in Feb and March 2013. In this questionnaire create questions like this, "which is impact of computer in every department, MIS department uses the computer or not, in auditing computer uses or not, auditing perform by using computer, production check by using computer or not, various report generate using computer or not, employee daily attendance perform using computer or not, etc…

Check quality of product using computers. 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.

The WEKA package will be used for the analysis of collected and tabulated data. Based on analysis, interpretation will be made to reach the meaningful conclusions. S/W designing Case tool also use data analysis, relationship of data, flow of data etc.
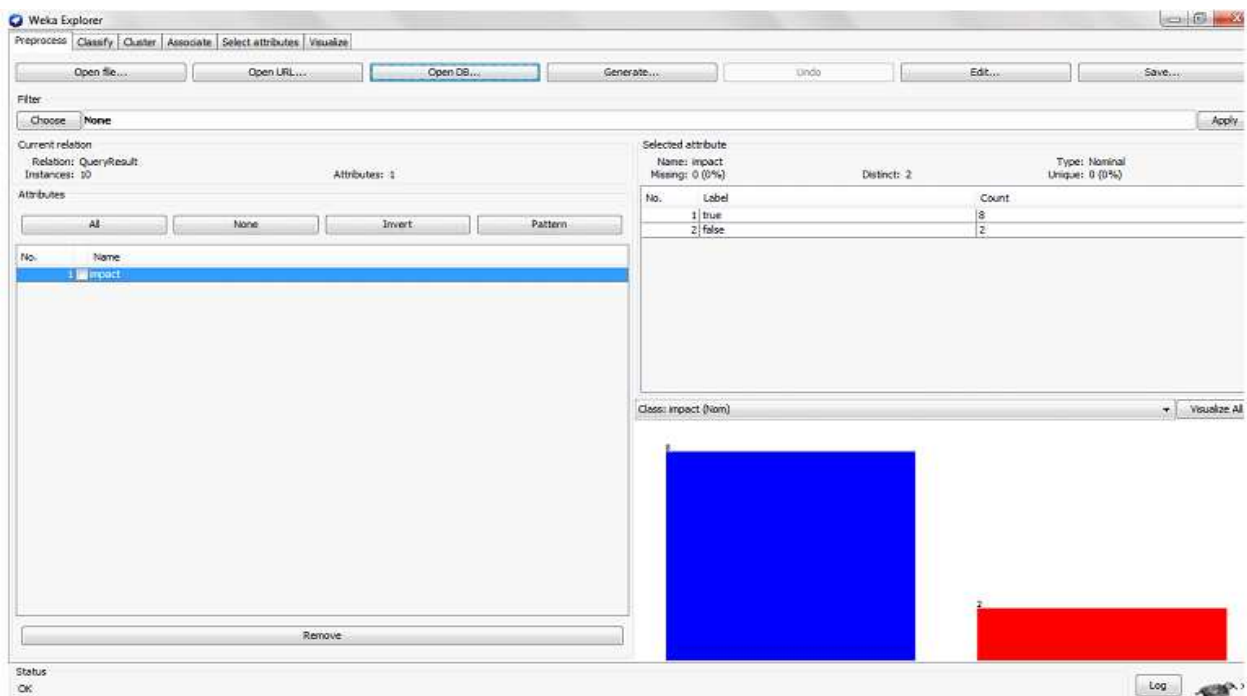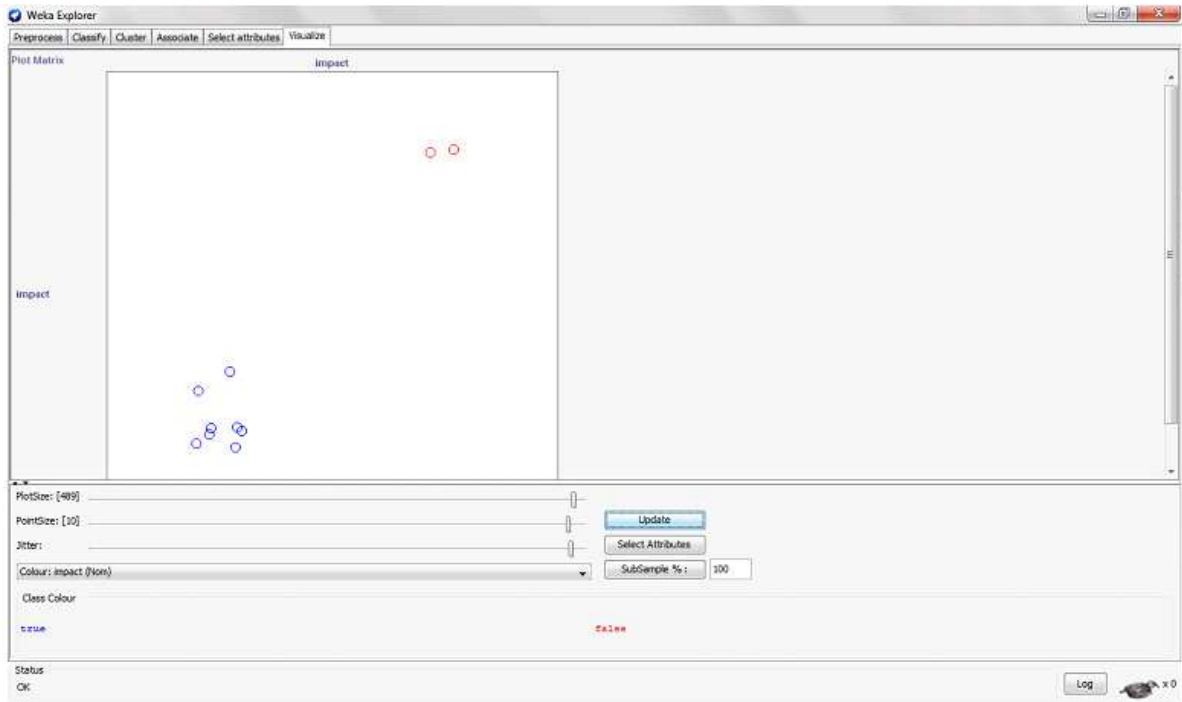
To perform operation in collected data in WEKA

Figure 1

Figure 2

RESULTS

Computer impacts on organization to perform test-

Output

Test Mode:	10-fold cross-validation

=== Classifier model (full training set) ===

ZeroR Predicts Class Value:	true
Time Taken to Build Model:	0seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances	8	80	%
Incorrectly Classified Instances	2	20	%
Kappa statistic	0		
Mean absolute error	0.3818		
Root mean squared error	0.4398		
Relative absolute error	100%		
Root relative squared error	100%		
Total Number of Instances	10		

=== Detailed Accuracy by Class ===

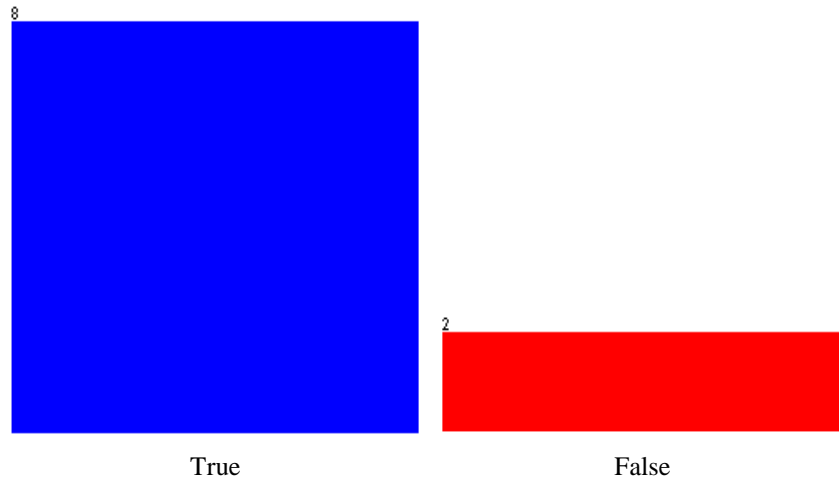|	TP Rate	FP Rate	Precision	Recall	F-Measure	ROC Area	Class
	1	1	0.8	1	0.889	0	true
	0	0	0	0	0	0	false
Weighted Avg.	0.8	0.8	0.64	0.8	0.711	0	

=== Confusion Matrix ===

a b <-- classified as

8 0 | a = true

2 0 | b = false

Visualize Output

Figure 3

CONCLUSIONS

This paper has attempted to for the purpose of Computer usages in organizations. The proposed methods were successfully tested on collected data. In the organization computer is useful and impact also create in the organization. The results which were obtained after the analysis were satisfactory and contained valuable information about the organization.

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