



ROLE OF COMPUTERIZED ACCOUNTING IN IMPROVING THE EFFICIENCY OF EMPLOYEES WITH REFERENCE TO TALLY ERP 9 IN RETAIL SECTOR OF VASAI-VIRAR REGION

¹ Dr. Macnoble M. D'cruz, ²Rakul Mambully

¹ Assistant Professor, ² Research Scholar

¹ St. Gonsalo Garcia College, Malad, Mumbai, India

Abstract : This study has been undertaken to investigate the determinants of role of computerized accounting in improving the efficiency of employees with reference to tally ERP 9 in retail sector of Vasai – Virar region. A company's accounting system is the core of its financial management, as it processes all transactions within the organization. A computerized accounting system is a software application that automates financial records and reporting processes to make them faster, more accurate, and easier to manage. It reduces the manual entry of data, eliminates redundant operations, and reduces accounting error risk with built-in controls. An accounting system is a set of procedures and record-keeping systems for managing the financial and operational activities of an organization. Basically, it's a method for tracking and managing the business's finances.

IndexTerms – Tally ERP 9, ERP packages, Account, Computerized accounting, Employees efficiency, IT.

1. INTRODUCTION

1.1 ACCOUNTING

Accounting, also known as accountancy, is the capacity, processing, and message of financial and non-financial information about economic entities such as businesses and corporations. Accounting, which has been called the "language of business", measures the results of an organization's economic activities and conveys this information to a variety of stakeholders, including investors, creditors, management, and regulators. Practitioners of accounting are known as accountants. The terms "accounting" and "financial reporting" are often used as synonyms.

1.2 ROLE OF ACCOUNTANTS

An accountant is the person who records business transaction in the books of accounts. He has to undergone a professional training in the process of book-keeping and accounting. Following are the common responsibilities of accountant.

- Recording of business transaction in a very systematic manner.
- Preparation and presentation of timely and accurate financial statement and notes to accounts.
- Communicating financial results to the management.
- Identification of area of deficiency and wastage of resources.
- Treasury functions-raising finance, cash management etc.
- Setting up internal control system for accounting work.
- Detection and prevention of errors and frauds.
- Assisting management to take effective decision by providing feasibility reports which helps management in analysis of variance between budgeted figures and actual figures.

1.3 INFORMATION TECHNOLOGY

Information technology (IT) is area of application of various technological tools, use of computers to store, retrieve, transmit and manipulate data often in the context of a business or other enterprise. Information technology covers all forms of technology used to create, store, exchange, and use information in its various forms (business data, voice conversation, still images, motion pictures, multimedia presentation, and other forms, including those not yet conceived). In short, anything that renders data, information or perceived knowledge in any visual format whatsoever, via any multimedia distribution mechanism, is considered part of the domain space known as Information Technology (IT).

1.4 RECENT TECHNOLOGICAL TRENDS IN ACCOUNTING

Technological trends continue to reshape industries and businesses. Accounting industry has evolved so much that book-keeping is no longer and its just about balancing books. Professionals in this field are slowly transitioning into strategic business advisors. Here are some emerging technological trends that have significant influence on accounting profession.

1.5 COMMONLY USED ACCOUNTING SOFTWARE PACKAGES IN INDIA

1.7.1 Tally.ERP 9

Developer: Tally Solutions Private Limited

Headquarter: Bangalore, Karnataka in India

Year of Launch: 2009

1.7.2 SARAL ACCOUNTING SOFTWARE

Developer: Relyon Softech Limited

Headquarter: Bangalore in India

Products: For Tax and E- Filing – Saral TDS, Saral Tax Office, Saral Income Tax, Saral GST etc.

1.7.3 QUICKBOOKS

Developer: Intuit

Headquarter: Mountain View, California in United States of America (USA)

Products: QuickBooks Enterprise Solutions, QuickBooks Online, QuickBooks Pro/Premier.

1.7.4 VYAPAR

Developer: Vyapar Tech Solutions

Headquarter: Bangalore in India

Year of Launch: 2016

1.7.6 SAP (SYSTEMS, APPLICATIONS AND PRODUCTS IN DATA PROCESSING)

Developer: SAP SE (European Company), (Formerly known as “SAP AG”)

Headquarter: Walldorf in Germany

2. REVIEW OF LITERATURE

Aysel Güney¹ (2014) The study states that, Technological growths changed methods for carrying out tasks within the possibility of accounting activities and transactions related to accounting was started to being carried out through electronic broadcasting. Growth and development growing rapidly in information technologies day by day have brought digital revolution in economic, social and cultural fields.

Akabom I. Asuquo, Nicholas O. Dan, Glory T. Effiong² (2020) The study stated that, Results of the investigation had shown that information technology has a substantial impact on the accounting line of work and was therefore concluded that accounting line of work has changed from what it used to be before now to a line of works that developed in alliance with the trend in technical improvement and a globalized structure. Furthermore as inferred from the findings of the study, there is a great call for prompt and concerted efforts on several fronts in order to find ways of coping with the growing degree of window dressing account, the malady of accounting noise and fraud skyrocketing syndrome in the business and the non-business world due to non-adhering to tenets of information technology when carrying out an accounting line of works.

Nanja Kroon, Maria do Céu Alves and Isabel Martins³ (2021) The study states that, study provides an integrated understanding of the consequences of recent technological developments on the accountant's role and skills that have been

hitherto debated in the existing literature in a fragmented way. Future research suggestions are also provided, based on identified gaps in the literature, assisting other researchers in finding a way to augment knowledge in this area.

3. RESEARCH GAP

Majority of the preceding studies are mainly concentrated on technology impact on manual accounting. There are no foremost study has been done regarding the role of computerized accounting in improving the efficiency of employees.

4. OBJECTIVE OF THE STUDY

To study the role of computerized accounting in improving the productivity of employees.

5. HYPOTHESES OF THE STUDY

H0: There is no significant relationship between computer and manual accounting system for improving the productivity of employees.

H1: There is significant relationship between computer and manual accounting system for improving the productivity of employees.

6. RESEARCH METHODOLOGY

6.1 UNIVERSE OF DATA

VVMC from the population of 75,200

6.2 TYPE OF DATA

Primary data through structured questionnaire.

Secondary data through bulletin, magazines, journals.

6.3 SAMPLE SIZE

The sample size would be upto 400 respondent.

6.4 SAMPLING METHOD

Simple Random sampling

6.5 DATA ANALYSIS TECHNIQUE

Chi-Square Test

6.6 IMPORTANCE OF STUDY

As the fluctuating role of accountants and the modern accounting technologies and its influences have not been taken before, there is a need for this study. The efficiency of accounting practice and their occupied pattern along with factors that affect the use of information technology covers a wide aspect; ranging from the profession, statutory and a host of several other factors but this work is restricted to cover the impact within accounting practice and profession. This study also serves as a guide for further research work in the impact of information technology on business and finance. The impact of technology on accountant's need to be evaluated from time to time so that accounting practices can be improved.

6.7 SCOPE AND LIMITATION

The present study is based upon the results of survey conducted on 400 investors. The implications of the study are subject to the limitations of sample size, psychological and emotional characteristics of surveyed population from VVMC.

7. DATA ANALYSIS

In order to know the relation between investment in mutual fund and trading application Chi square test is used.

Chi-Square Test

Chi-square test was applied for testing the hypothesis by using the following formula:

$$(O - E)^2$$

Chi-square = $\sum \frac{\quad}{E}$ with (r-1) (c-1) degree of freedom

E

Whereas,

O – Observed frequency

E - Expected frequency

Row total \times Column total

E = -----

Grand total

c = Number of columns in a contingency table

r = Number of rows in a contingency table

H₀: There is no significant relationship between computer and manual accounting system for improving the productivity of employees.

H₁: There is significant relationship between computer and manual accounting system for improving the productivity of employees.

| Chi-Square Tests | | | |
|---|---------------------------|----------|-----------------------------------|
| | Value | Df | Asymptotic Significance (2-sided) |
| Pearson Chi-Square | 30.189^a | 2 | 0.0000002783 |
| Likelihood Ratio | 26.068 | 2 | .000 |
| Linear-by-Linear Association | 26.048 | 1 | .000 |
| N of Valid Cases | 400 | | |
| a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 10.42. | | | |

Source: Primary Data

INTERPRETATION

At 5 percent level of significance, calculated value of Chi-Square for which p-value is 0.00 which is less than 0.05. So, there is enough evidence to conclude that the null hypothesis is rejected that means there is significant relationship between computer and manual accounting system for improving the productivity of employees.

8. SUGGESTIONS AND RECOMMENDATION

From the results of research study, following recommendation are made to highlight the role and impact of computerized accounting occupation in 21st century accounting world and evaluating the role of Tally accounting system on employee performance of the organization. The need of information technology cannot be over emphasized, from the above results we recommend the following:

- Business organization should ensure satisfactory training and manpower development in the areas of information technology.
- There is need for mindfulness at academic level in respect of application of information technology in accounting profession.
- The regulatory agencies like software developer companies should upgrade their program so as to align with need of the business association and also their charges should be reasonable in order to deliver maximum benefit of technology.
- The risk of technical threat and cyber threat to accounting systems such as failure of system, system hacking, spoofing, ransomware etc. need to be minimized at significant level in order to ensure end to end security.

9. CONCLUSION

From the data analysis and results of hypothesis testing, it can be deduced that computerized accounting has a big role in improving the efficiency of employees with reference to tally ERP 9 in retail sector of vasai-virar region. The accounting approach for maintaining books of accounts and recording of business transactions has been changed from traditional to modern due to convenience of computerized accounting system. There are several factors in accounting profession which influence the business organization to do investment in accounting technology such as time management, quick and accurate decisions, and reliability of information and effective analysis of business transaction. Thus, computerized accounting plays vital role in bookkeeping profession.

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