AWARENESS, USAGE AND EFFECTIVENESS OF NEW AGE MANAGEMENT REPORTING TOOLS

M. Bhole and S. Ujagare
Savitribai Phule Pune University, Pune, MS, India
madhav_bhole@rediffmail.com, sunil.ujagare@sinhgad.edu

_____

ABSTRACT

Today, the world is growing with new emerging technologies. New age management reporting tools helps companies in doing their business activities at faster rate. The objective of this research paper is to study the awareness, usage and effectiveness of New age management reporting tools amongst working professionals in Pune city. Researchers have collected the data from 140 respondents using survey method with the help of well-structured questionnaire. The researcher identified that descriptive research designand Non probability convenience sampling method is suitable for the research study. The findings of this study will be useful to many companies to sustain in the competitive world.
_____

Introduction

Management reporting can be defined as reports that are used by management to administer the organisation, make business decisions, and track progress. Managers can use management reports to keep track of the smaller aspects in their departments. Managerial reports are submitted by employees to their superiors. Management reporting systems aid in the collection of data that managers require in order to run a successful firm. Financial data, employee headcount, customer, accounts, products, client assets in custody, investment performance, and so on are all examples of data. A management reporting system has a broad scope. However, the following are six reasons why a company requires a good management reporting system:

- Reports are always needed for decision-making and trend analysis.
- Reports not being available to the appropriate stakeholders at the appropriate time
- There is a lack of visibility and a single, comprehensive perspective of the company's performance.
- Data redundancy, duplication, and quality difficulties lead to error-prone reports and data management.
- Resources of high worth
- Adapting a worldwide report to meet local requirements

Literature Review

W. Harry (2010), ERP implementation critical failure factors the papers suggest existing literature on ERP implementation challenges and causes of ERP implementation failure during the implementation phase. To better understand the causes of failure, a multi-case research was conducted. 14 major blunders Three frequent key failure elements were researched and discussed in order to detect and analyse them.

A. Dixit (2011), A study of the problems that SMEs face when using ERP. This study assists us in exploring and identifying factors impacting ERP implementation in reference to Indian small and medium firms and challenges experienced by SME in order to address global concerns

R. Sharma (2012), This paper gives us a glimpse of system application and products in data processing, as well as the changing trends in information technology. Enterprise resource planning (ERP) using SAP Methodology and tools for ERP deployment The provides it a comprehensive solution to allow an organisation to plan and execute the SAP ERP software implementation. The ASAP approach is utilised as the SAP implementation reference model in this study.

B. Machen (2014), The goal of this study is to see how effective it is to use the corporate ERP system SAP-PS. SAP-PS is a multidimensional project control system that can be used to monitor and control project work, as well as meet the needs and expectations of project

managers and other key stakeholders within the organisation.

Research Methodology

Objectives of the study

- To study the awareness of *New age management reporting tools*amongst the working professionals in Pune city.
- To study the usage of *New age management reporting tools* amongst the working professionals in Pune city.
- To study the effectiveness of*New age management reporting tools* amongst the working professionals in Pune city.

Hypothesis of the Study

H1: *New age management reporting tools* are highly effective for the companies.

Scope of the study

The present study is related to the perception of employees in Pune city only. The researcher has selected only five *New age management reporting tools* in the present study as below;

- *Oracle eBiz suite*
- *SAP*
- *MFG PRO*
- *Tally ERP*
- *Microsoft Dynamics 365*

Sampling

Researcherhascollected the data from 140 respondents (working professionals in Pune city) with the help ofnon-probabilityconvenience sampling method.

Methods of Data collection

Researcher has collected the primary data with the help ofwell-structuredquestionnaire, having interaction with the working professionals in different companies in Pune city. Internet, books, magazines, and articles etc. are the various sources from where researcherhas collected the secondary data.

Reliability and Validity

The researcher has carried out reliability test using SPSS. The Cronbach's Alpha identified is 0.750, and it is more than 0.700, that's why the Questionnaire is measured to be reliable.The researcher has used face validity and content validity and confirmed thatthis research tool is valid for the study.
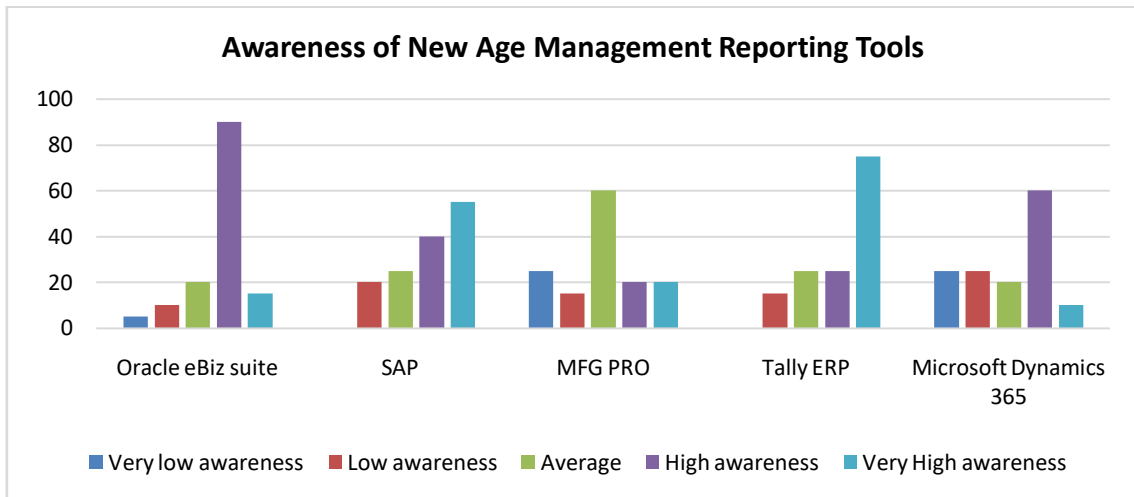
Research design

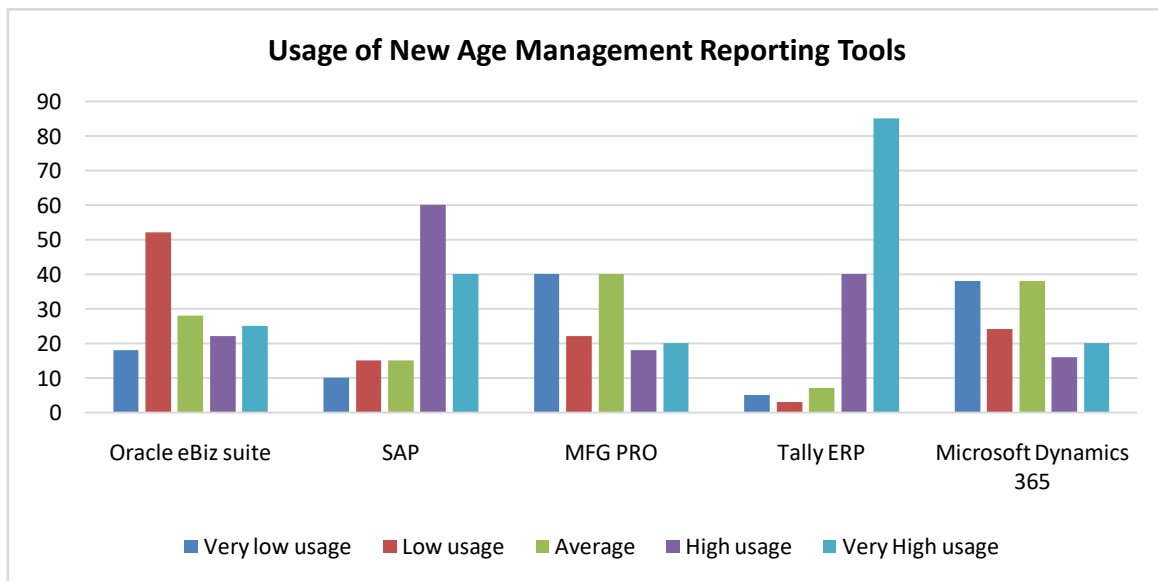| Type of Research Design	Descriptive Research Design
Sampling Technique	Non-Probability Convenience Sampling
Sampling Area	Pune City
Sample Size	140
Primary Data	Well-structured questionnaire
Secondary Data	Research papers, Articles, Books, Journals etc.
Data Analysis tools	IBM SPSS-20 and Ms Excel-2010

Data Analysis

Awareness of New Age Management Reporting Tools amongst Working Professionals

	Very low awareness	Low awareness	Average	High awareness	Very High awareness
Oracle eBiz suite	5	10	20	90	15
SAP	0	20	25	40	55
MFG PRO	25	15	60	20	20
Tally ERP	0	15	25	25	75
Microsoft Dynamics 365	25	25	20	60	10

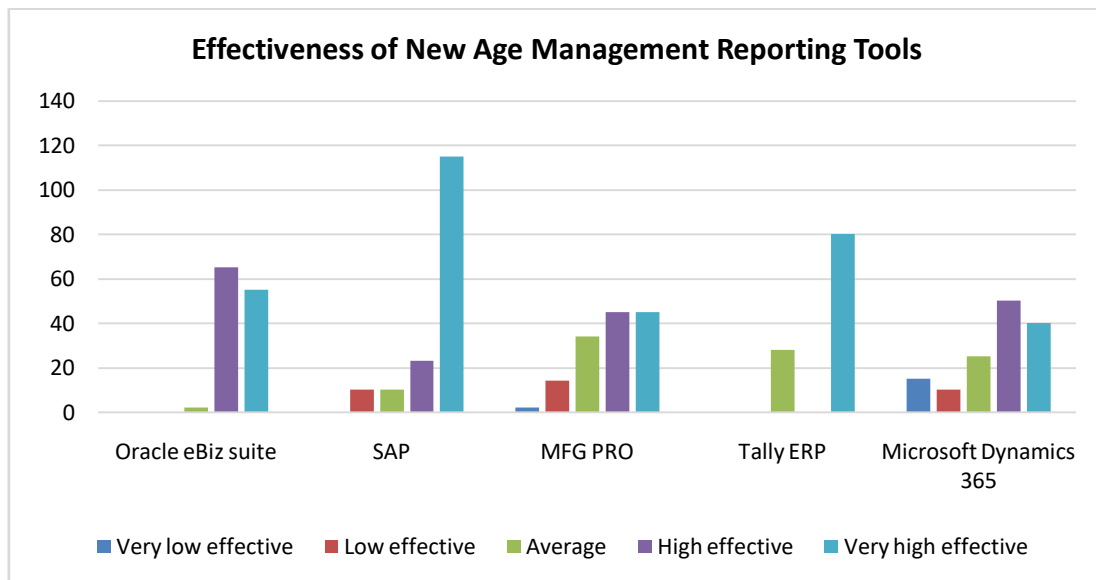Awareness of New Age Management Reporting Tools

Usage of New Age Management Reporting Tools amongst Working Professionals

	Very low usage	Low usage	Average	High usage	Very High usage
Oracle eBiz suite	18	52	28	22	25
SAP	10	15	15	60	40
MFG PRO	40	22	40	18	20
Tally ERP	5	3	7	40	85
Microsoft Dynamics 365	38	24	38	16	20

Usage of New Age Management Reporting Tools

Effectiveness of New Age Management Reporting Tools for the Companies

	Very low effective	Low effective	Average	High effective	Very high effective
Oracle eBiz suite	0	0	2	65	55
SAP	0	10	10	23	115
MFG PRO	2	14	34	45	45
Tally ERP	0	0	28	32-	80
Microsoft Dynamics 365	15	10	25	50	40

Effectiveness of New Age Management Reporting Tools

Legend: ■ Very low effective ■ Low effective ■ Average ■ High effective ■ Very high effective

	Awareness	Usage	Effectiveness
Oracle eBiz suite	3	3	3
SAP	2	2	1
MFG PRO	5	5	5
Tally ERP	1	1	2
Microsoft Dynamics 365	4	4	4

Hypothesis Testing

- Null Hypothesis (H0): *New age management reporting tools* are not effective for the companies.
- Alternative Hypothesis (Ha): *New age management reporting tools* are highly effective for the companies.
- The researcherhas tested the null hypothesis with the help of IBM SPSS 20. The researcherhas applied Z test to check the null hypothesis. The P value identified is 0.01 which is less than 0.05 so the null hypothesis is rejected and alternative hypothesis is accepted at 5% level of significance.

Findings

- Awareness about all *New age management reporting tools* is high amongst working professionals in Pune city. The awareness is higher about Tally ERP followed by SAP, Oracle, Microsoft Dynamics 365, MFG PRO.
- Most of the working professionals in Pune city are using various *New age management reporting tools*. The usage is higher about Tally ERP followed by SAP, Oracle, Microsoft Dynamics 365, MFG PRO.
- As per the working professionals in Pune city*New age management reporting tools* are effective to improve the organizational performance. SAP is the most effective *New age management reporting tool* followed by Tally ERP, Oracle, Microsoft Dynamics 365, MFG PRO.

References

1. G. Klychova, Method of internal management reporting forming in Agriculture Organization [Text] / G.S. Klychova, A.R.Zakirova // Herald Kazan GAU.- 2011. - No 1 (19) .- pp. 44-48. (in Russian)
2. G. Shirobokov. Problems of formation and development of management accounting in

Russia / Accounting. - 2007. - No1. - pp. 62-66. (in Russian)

3. T. Scone , 1997. Management Accounting / T. Scone, translated from Eng. Ed.

4. G. Foster, S. Datar, trans. from English. - 10th Edition - St.: Peter, 2007. - 1008 p. (in Russian). - November / December. - P. 33-39.

5. B. Reinitz, Building Institutional Analytics Maturity Summit Report. Available online: https://library.educause.edu/~/media/files/library/2015/10/pub9020-pdf.pdf (accessed on 22 November 2016).

6. R. Yanosky, P. Arroway The Analytics Landscape in Higher Education, 2015. Available online: https://library.educause.edu/resources/2016/1/the-analytics-landscape-in-higher-education-2015 (accessed on 27 November 2016).