

USE OF COMMON COMPUTER APPLICATION PACKAGES IN TERTIARY INSTITUTIONS IN NORTHERN SENATORIAL ZONE OF TARABA STATE

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ABSTRACT

The study examines the Use of Common Computer Application Packages in Tertiary Institutions In Northern Senatorial Zone of Taraba State. A survey design was used and a questionnaire was used to elicit responses from the respondents. The population covers all staff in Tertiary Institutions in Northern Senatorial Zone of Taraba State and purposively sampling techniques was used to sample the participating staff based on some criterion. Frequency count and mean were used to analyze the data. The results show that frequency of use of computer application packages and its effective use are relatively low in Tertiary Institutions in Northern Senatorial Zone of Taraba State. It is therefore recommended that computer and computer application packages should be made available for institutional use; staff training in the use of computer application packages should be frequently carried out, power should always be available to power the computer systems, provision of incentive as motivation for staff to acquire necessary computer application packages skills should be made available and periodic assessment of staff on the use of the computer application packages should be carried out.

Keyword: Computer application packages

INTRODUCTION

Tertiary institutions cannot be run successfully without the use of computer application packages. These packages typically include multiple applications that are related to each other and are designed to be used in combination, such as a spreadsheet, word processor and presentation software. Some common examples of computer application packages are Microsoft Office, Adobe Creative Suite, and Google Workspace. Computers in tertiary institutions are used to provide Audio-Visual learning, research, online learning, maintain records, make documents, and learn new evolving technologies.

However, most tertiary institutions, either underutilized or totally ignorant of the potentials or capabilities of the computer applications packages. It is therefore necessary to find out how these tertiary institutions use the common computer application packages for academic purposes, especially tertiary institutions in Northern Senatorial Zone of Taraba State.

Statement of the Problem

In tertiary institutions in Northern Senatorial Zone of Taraba State, both academic and non academic works demand the use of computer application packages. However, there were series of printing and reprinting of document, either because of misuse of computer application packages or poor presentations of documents, which consequently increases the financial commitment of the institutions. This could have been averted if these computer application packages were used effectively. It is therefore necessary to know how these tertiary institutions in Northern Senatorial Zone of Taraba State use these computer application packages for academic purposes effectively

Research Objectives

1. To find out the use of Microsoft power point, Microsoft excel, Corel draw, SPSS and Microsoft words in Taraba State University, Jalingo, Taraba State
2. To find out the use of Microsoft power point, Microsoft excel, Corel draw, SPSS and Microsoft words in Taraba State Polytechnic, Jalingo Campus, Taraba State

3. To find out the use of Microsoft power point, Microsoft excel, Corel draw, SPSS and Microsoft words in College of Education, Zing, Taraba State
4. To find out the use of Microsoft power point, Microsoft excel, Corel draw, SPSS and Microsoft words in Peacock College of Education, Jalingo, Taraba State
5. To find out the use of Microsoft power point, Microsoft excel, Corel draw, SPSS and Microsoft words in College of Nursing, Jalingo, Taraba State
6. To find out the use of Microsoft power point, Microsoft excel, Corel draw, SPSS and Microsoft words in College of Agricultural Science and Technology, Jalingo, Taraba State

Research Questions

A. TARABA STATE UNIVERSITY, JALINGO, TARABA STATE

Research question 1- Use of Microsoft Power Point application package in Taraba State University, Jalingo

1. How frequent do you use Microsoft Power Point application package for administrative work, lecturing, passing information and research work
2. How effective is the Microsoft Power Point application package used for administrative work, lecturing, passing information and research work

Research question 2- Use of Microsoft Excel application package in Taraba State University, Jalingo

1. How frequent do you use Microsoft Excel application package for administrative work, lecturing, passing information and research work
2. How effective is the Microsoft Excel application package used for administrative work, lecturing, passing information and research work

Research question 3- Use of Corel Draw application package in Taraba State University, Jalingo

1. How frequent do you use Corel Draw application package for administrative work, lecturing, passing information and research work
2. How effective is the Corel Draw application package used for administrative work, lecturing, passing information and research work

Research question 4- Use of Statistical Product and Service Solution (SPSS) application package in Taraba State University, Jalingo

1. How frequent do you use SPSS application package for administrative work, lecturing, passing information and research work
2. How effective is the SPSS application package used for administrative work, lecturing, passing information and research work

Research question 5- Use of Microsoft Word application package in Taraba State University, Jalingo

1. How frequent do you use Microsoft Word application package for administrative work, lecturing, passing information and research work
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TARABA STATE POLYTECHNICS, JALINGO CAMPUS, TARABA STATE

Research question 1- Use of Microsoft Power Point application package in Taraba State Polytechnics, Jalingo campus

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COLLEGE OF EDUCATION, ZING, TARABA STATE

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PEACOCK COLLEGE OF EDUCATION, JALINGO, TARABA STATE

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COLLEGE OF NURSING, JALINGO, TARABA STATE

Research question 1- Use of Microsoft Power Point application package in College of Nursing, Jalingo, Taraba State

How frequent do you use Microsoft Power Point application package for administrative work, lecturing, passing information and research work

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Research question 5- Use of Microsoft Word application package in College of Nursing, Jalingo, Taraba State

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2. How effective is the Microsoft Word application package used for administrative work, lecturing, passing information and research work

COLLEGE OF AGRICULTURAL SCIENCE AND TECHNOLOGY

Research question 1- Use of Microsoft Power Point application package in College of Agricultural Science and Technology, Taraba State

1. How frequent do you use Microsoft Power Point application package for administrative work, lecturing, passing information and research work
2. How effective is the Microsoft Power Point application package used for administrative work, lecturing, passing information and research work

Research question 2- Use of Microsoft Excel application package in College of Agricultural Science and Technology, Taraba State

1. How frequent do you use Microsoft Excel application package for administrative work, lecturing, passing information and research work

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Research question 3- Use of Corel Draw application package in Taraba State University, Jalingo

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1. How frequent do you use SPSS application package for administrative work, lecturing, passing information and research work
2. How effective is the SPSS application package used for administrative work, lecturing, passing information and research work

Research question 5- Use of Microsoft Word application package in College of Agricultural Science and Technology, Taraba State

1. How frequent do you use Microsoft Word application package for administrative work, lecturing, passing information and research work
2. How effective is the Microsoft Word application package used for administrative work, lecturing, passing information and research work

Literature Review

According to literature, computers application packages have imperceptibly created two major groups of people; digital natives and digital immigrants (Nelissen & Van den Bulck, 2018; Ahn & Jung, 2016; Metallo & Agrifoglio, 2015). Regardless of when an individual was born, either earlier or after the emergence of computer system, both professional and personal lives' challenges have made it almost obligatory for all persons to have some level of computer literacy skills (Mohammadyari & Singh, 2015). Indeed-Career-Guide (2020) explains that basic computer skills refer to one's ability to perform fundamental manipulative tasks on computer software. This software are productivity software, presentation software, digital marketing software, computer programming, graphic designing software, communication tools and database management software among others.

Productivity software helps creating information in various formats, such as document, graphs, worksheets and presentations. For example, word processing software, spreadsheet software, presentation software, email management, data entry, digital calendars, video conferencing, social media management and instant messaging among others. Presentation software is a category of application program used to create sequences of words and pictures that tell a story or help support a speech or public presentation of information. That is, it is a programme used for creating slideshows made up of audio, text, photos and videos. Presentation software can be divided into two. They are business presentation software and multimedia authoring tools. Business presentation software depicts ease-and quickness-of-learning and use. It usually includes images and sometimes video and audio developed with other tools. Multimedia authoring software on the other hand, can create a more stylish presentation that includes video and audio sequences.

Microsoft Power Point is a typical example of presentation software that is commonly used because of its unique features. This is the reason why Haynes (2014) explained that one should make lively traditional lecture by using PowerPoint presentation that integrates sound effects, diagrams, photographs, music or video clips. However, there are some other common

presentation software such as Google Slides, Prezi, Keynote, Clear Slide, and Slide Dog (Robarts, 2014). Operating systems on the other hand help a computer run its basic functions and every computer comes with pre-installed operating systems, example is Windows. Computer programming involves the creation, design and building of computer software and applications to perform a wide variety of tasks; for example, HTML, Java, operating systems, UI/UX and Python among others, while graphic designing is the creating of visual content through typography, illustration and photography to convey a particular message. Examples are illustration software, Photoshop, design software, desktop publishing and video creation software among others (Indeed-Career-Guide, 2020). Communication tools are tools for continuous communication and collaboration with one another. Examples of computer communication tools are instant messaging, video conferencing and e-mail management applications among others. A database management on the other hand is an electronic collection of data that is accessed on a computer. Database stores a variety of information. Examples are spreadsheets and data analytics among others.

METHODOLOGY

The research design adopted for the study was Descriptive Survey Design of the questioning technique. It is the method of research that looks with intense accuracy at the phenomena of the moment and then describes precisely what the researcher sees. Generally, a survey as a descriptive research methodology describes and interprets what is. The targeted population of the study comprised of all staff of tertiary institutions in Northern Senatorial Zone of Taraba State. Six tertiary institutions were purposively sampled based on the availability of relatively adequate computer systems, staff population and popularity of the tertiary institution in Northern Senatorial Zone of Taraba State. The research questionnaires were randomly distributed among staff who have duties that demands the use of computer application packages. Data collected was subjected to descriptive statistics. The descriptive statistics used were frequency count and mean.

RESULTS

TARABA STATE UNIVERSITY, JALINGO, TARABA STATE

Research question 1- Use of Microsoft Power Point application package in Taraba State University, Jalingo

1. How frequent do you use Microsoft Power Point application package for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	2.53	Accept
2	Lecturing	2.44	Reject
3	Passing Information	2.65	Accept
4	Research work	2.55	Accept

3. How effective is the Microsoft Power Point application package used for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	2.44	Reject
2	Lecturing	2.35	Reject
3	Passing Information	2.44	Reject
4	Research work	2.50	Accept

Research question 2- Use of Microsoft Excel application package in Taraba State University, Jalingo

4. How frequent do you use Microsoft Excel application package for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	2.53	Accept
2	Lecturing	2.55	Accept

3	Passing Information	2.59	Accept
4	Research work	2.73	Accept

5. How effective is the Microsoft Excel application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.12	Reject
2	Lecturing	2.12	Reject
3	Passing Information	2.21	Reject
4	Research work	2.24	Reject

Research question 3- Use of Corel Draw application package in Taraba State University, Jalingo

1. How frequent do you use Corel Draw application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.38	Reject
2	Lecturing	2.47	Reject
3	Passing Information	2.38	Reject
4	Research work	2.56	Accept

2. How effective is the Corel Draw application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.08	Reject
2	Lecturing	2.21	Reject
3	Passing Information	2.06	Reject
4	Research work	2.15	Reject

Research question 4- Use of Statistical Product and Service Solution (SPSS) application package in Taraba State University, Jalingo

1. How frequent do you use SPSS application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.50	Accept
2	Lecturing	2.19	Reject
3	Passing Information	2.42	Reject
4	Research work	2.03	Reject

2. How effective is the SPSS application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.27	Reject
2	Lecturing	2.32	Reject
3	Passing Information	2.32	Reject
4	Research work	2.09	Reject

Research question 5- Use of Microsoft Word application package in Taraba State University, Jalingo

1. How frequent do you use Microsoft Word application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.00	Accept
2	Lecturing	2.76	Accept
3	Passing Information	2.88	Accept
4	Research work	2.65	Accept

2. How effective is the Microsoft Word application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.07	Accept
2	Lecturing	2.88	Accept
3	Passing Information	4.00	Accept
4	Research work	2.78	Accept

TARABA STATE POLYTECHNICS, JALINGO CAMPUS, TARABA STATE

Research question 1- Use of Microsoft Power Point application package in Taraba State Polytechnics, Jalingo campus

1. How frequent do o you use Microsoft Power Point application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.00	Reject
2	Lecturing	2.92	Accept
3	Passing Information	1.46	Reject
4	Research work	2.54	Accept

2. How effective is the Microsoft Power Point application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.38	Reject
2	Lecturing	1.92	Reject
3	Passing Information	1.08	Reject
4	Research work	2.39	Reject

Research question 2- Use of Microsoft Excel application package in Taraba State Polytechnics, Jalingo

1. How frequent do you use Microsoft Excel application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.39	Reject
2	Lecturing	1.00	Reject
3	Passing Information	2.62	Reject
4	Research work	1.00	Reject

2. How effective is the Microsoft Excel application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.77	Reject
2	Lecturing	1.00	Reject
3	Passing Information	2.85	Accept
4	Research work	1.00	Reject

Research question 3- Use of Corel Draw application package in Taraba State Polytechnics, Jalingo

1. How frequent do you use Corel Draw application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.85	Accept
2	Lecturing	2.85	Accept
3	Passing Information	2.00	Reject
4	Research work	2.42	Reject

2. How effective is the Corel Draw application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.46	Reject

2	Lecturing	3.00	Accept
3	Passing Information	1.85	Reject
4	Research work	1.92	Reject

Research question 4- Use of Statistical Product and Service Solution (SPSS) application package in Taraba State Polytechnic, Jalingo

1. How frequent do you use SPSS application package for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	3.15	Accept
2	Lecturing	2.23	Reject
3	Passing Information	1.80	Reject
4	Research work	2.08	Reject

2. How effective is the SPSS application package used for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	2.69	Accept
2	Lecturing	1.67	Reject
3	Passing Information	2.55	Accept
4	Research work	2.91	Accept

Research question 5- Use of Microsoft Word application package in Taraba State Polytechnic, Jalingo

1. How frequent do you use Microsoft Word application package for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	2.77	Accept
2	Lecturing	2.00	Reject
3	Passing Information	2.54	Accept
4	Research work	1.85	Reject

2. How effective is the Microsoft Word application package used for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	3.00	Accept
2	Lecturing	1.85	Reject
3	Passing Information	2.54	Accept
4	Research work	2.00	Reject

COLLEGE OF EDUCATION, ZING, TARABA STATE

Research question 1- Use of Microsoft Power Point application package in College of Education, Zing Taraba State

1. How frequent do you use Microsoft Power Point application package for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	3.47	Accept
2	Lecturing	3.09	Accept
3	Passing Information	3.03	Accept
4	Research work	2.71	Accept

2. How effective is the Microsoft Power Point application package used for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	3.47	Accept
2	Lecturing	2.94	Accept
3	Passing Information	3.16	Accept

4	Research work	2,44	Reject
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Research question 2- Use of Microsoft Excel application package in College of Education, Zing Taraba State

1. How frequent do you use Microsoft Excel application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.63	Accept
2	Lecturing	3.13	Accept
3	Passing Information	3.09	Accept
4	Research work	2.72	Accept

2. How effective is the Microsoft Excel application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.44	Accept
2	Lecturing	3.06	Accept
3	Passing Information	3.13	Accept
4	Research work	2.72	Accept

Research question 3- Use of Corel Draw application package in College of Education, Zing Taraba State

1. How frequent do you use Corel Draw application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.47	Accept
2	Lecturing	3.09	Accept
3	Passing Information	3.00	Accept
4	Research work	2.72	Accept

2. How effective is the Corel Draw application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.50	Accept
2	Lecturing	2.78	Accept
3	Passing Information	2.97	Accept
4	Research work	2.50	Accept

Research question 4- Use of Statistical Product and Service Solution (SPSS) application package in College of Education, Zing, Taraba State

1. How frequent do you use SPSS application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.50	Accept
2	Lecturing	3.09	Accept
3	Passing Information	3.09	Accept
4	Research work	2.72	Accept

2. How effective is the SPSS application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.25	Accept
2	Lecturing	3.03	Accept
3	Passing Information	3.06	Accept
4	Research work	2.56	Accept

Research question 5- Use of Microsoft Word application package in College of Education, Zing Taraba State

1. How frequent do you use Microsoft Word application package for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	3.39	Accept
2	Lecturing	3.00	Accept
3	Passing Information	2.94	Accept
4	Research work	2.55	Accept

2. How effective is the Microsoft Word application package used for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	3.47	Accept
2	Lecturing	3.21	Accept
3	Passing Information	2.88	Accept
4	Research work	2.39	Reject

PEACOCK COLLEGE OF EDUCATION, JALINGO, TARABA STATE

Research question 1- Use of Microsoft Power Point application package in Peacock College of Education, Jalingo, Taraba State

1. How frequent do you use Microsoft Power Point application package for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	1.96	Reject
2	Lecturing	1.68	Reject
3	Passing Information	2.05	Reject
4	Research work	2.23	Reject

2. How effective is the Microsoft Power Point application package used for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	2.09	Reject
2	Lecturing	1.73	Reject
3	Passing Information	4.00	Accept
4	Research work	2.41	Reject

Research question 2- Use of Microsoft Excel application package in Peacock College of Education, Jalingo, Taraba State

1. How frequent do you use Microsoft Excel application package for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	2.55	Accept
2	Lecturing	2.09	Reject
3	Passing Information	3.91	Accept
4	Research work	2.77	Accept

2. How effective is the Microsoft Excel application package used for the following

S/N	SERVICE	Mean scores(x)	<i>If $x \geq 2.5$, Accept otherwise reject</i>
1	Administrative work	2.32	Reject
2	Lecturing	2.27	Reject
3	Passing Information	2.64	Accept

4	Research work	2.68	Accept
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Research question 3- Use of Corel Draw application package in Peacock College of Education, Jalingo, Taraba State

1. How frequent do you use Corel Draw application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.77	Reject
2	Lecturing	1.82	Reject
3	Passing Information	2.23	Reject
4	Research work	2.18	Reject

2. How effective is the Corel Draw application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.05	Reject
2	Lecturing	2.05	Reject
3	Passing Information	2.23	Reject
4	Research work	2.27	Reject

Research question 4- Use of Statistical Product and Service Solution (SPSS) application package in Peacock College of Education, Jalingo, Taraba State

1. How frequent do you use SPSS application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.50	Reject
2	Lecturing	1.32	Reject
3	Passing Information	1.50	Reject
4	Research work	1.82	Reject

2. How effective is the SPSS application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.86	Accept
2	Lecturing	1.45	Reject
3	Passing Information	1.59	Reject
4	Research work	2.09	Reject

Research question 5- Use of Microsoft Word application package in Peacock College of Education, Jalingo, Taraba State

1. How frequent do you use Microsoft Word application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.09	Accept
2	Lecturing	2.91	Accept
3	Passing Information	2.95	Accept
4	Research work	2.86	Accept

2. How effective is the Microsoft Word application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.86	Accept
2	Lecturing	2.67	Accept
3	Passing Information	3.09	Accept
4	Research work	2.95	Accept

COLLEGE OF NURSING, JALINGO, TARABA STATE

Research question 1- Use of Microsoft Power Point application package in College of Nursing, Jalingo, Taraba State

1. How frequent do you use Microsoft Power Point application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.93	Reject
2	Lecturing	1.77	Reject
3	Passing Information	1.70	Reject
4	Research work	1.73	Reject

2. How effective is the Microsoft Power Point application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.87	Reject
2	Lecturing	1.53	Reject
3	Passing Information	1.69	Reject
4	Research work	1.83	Reject

Research question 2- Use of Microsoft Excel application package in Taraba State University, Jalingo

1. How frequent do you use Microsoft Excel application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.77	Reject
2	Lecturing	1.60	Reject
3	Passing Information	1.60	Reject
4	Research work	1.77	Reject

2. How effective is the Microsoft Excel application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.80	Reject
2	Lecturing	1.57	Reject
3	Passing Information	1.63	Reject
4	Research work	1.77	Reject

Research question 3- Use of Corel Draw application package in College of Nursing, Jalingo, Taraba State

1. How frequent do you use Corel Draw application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.23	Reject
2	Lecturing	1.43	Reject
3	Passing Information	1.33	Reject
4	Research work	1.60	Reject

2. How effective is the Corel Draw application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.77	Reject
2	Lecturing	1.47	Reject
3	Passing Information	1.37	Reject
4	Research work	1.57	Reject

Research question 4- Use of Statistical Product and Service Solution (SPSS) application package in Taraba State University, Jalingo

1. How frequent do you use SPSS application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.5	Reject
2	Lecturing	1.60	Reject
3	Passing Information	1.53	Reject
4	Research work	1.60	Reject

2. How effective is the SPSS application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	1.43	Reject
2	Lecturing	1.60	Reject
3	Passing Information	1.40	Reject
4	Research work	1.50	Reject

Research question 5- Use of Microsoft Word application package in College of Nursing, Jalingo, Taraba State

1. How frequent do you use Microsoft Word application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.23	Reject
2	Lecturing	2.30	Reject
3	Passing Information	2.40	Reject
4	Research work	2.37	Reject

2. How effective is the Microsoft Word application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	2.13	Reject
2	Lecturing	2.20	Reject
3	Passing Information	2.20	Reject
4	Research work	2.20	Reject

COLLEGE OF AGRICULTURAL SCIENCE AND TECHNOLOGY

Research question 1- Use of Microsoft Power Point application package in College of Agricultural Science and Technology, Taraba State

1. How frequent do you use Microsoft Power Point application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.62	Accept
2	Lecturing	3.38	Accept
3	Passing Information	3.07	Accept
4	Research work	2.93	Accept

2. How effective is the Microsoft Power Point application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.66	Accept
2	Lecturing	3.28	Accept
3	Passing Information	2.97	Accept
4	Research work	3.10	Accept

Research question 2- Use of Microsoft Excel application package in College of Agricultural Science and Technology, Taraba State

1. How frequent do you use Microsoft Excel application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.69	Accept
2	Lecturing	2.86	Accept
3	Passing Information	2.93	Accept
4	Research work	2.90	Accept

2. How effective is the Microsoft Excel application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.48	Accept
2	Lecturing	2.93	Accept
3	Passing Information	2.83	Accept
4	Research work	3.07	Accept

Research question 3- Use of Corel Draw application package in Taraba State University, Jalingo

1. How frequent do you use Corel Draw application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.72	Accept
2	Lecturing	3.24	Accept
3	Passing Information	3.41	Accept
4	Research work	3.31	Accept

2. How effective is the Corel Draw application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.69	Accept
2	Lecturing	3.10	Accept
3	Passing Information	3.10	Accept
4	Research work	3.14	Accept

Research question 4- Use of Statistical Product and Service Solution (SPSS) application package in College of Agricultural Science and Technology, Taraba State

1. How frequent do use SPSS application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.90	Accept
2	Lecturing	3.28	Accept
3	Passing Information	3.28	Accept
4	Research work	3.45	Accept

2. How effective is the SPSS application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.72	Accept
2	Lecturing	3.24	Accept
3	Passing Information	3.38	Accept
4	Research work	3.21	Accept

Research question 5- Use of Microsoft Word application package in College of Agricultural Science and Technology, Taraba State

1. How frequent do you use Microsoft Word application package for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.93	Accept
2	Lecturing	3.52	Accept
3	Passing Information	3.45	Accept
4	Research work	3.48	Accept

3. How effective is the Microsoft Word application package used for the following

S/N	SERVICE	Mean scores(x)	If $x \geq 2.5$, Accept otherwise reject
1	Administrative work	3.90	Accept
2	Lecturing	3.41	Accept
3	Passing Information	3.52	Accept
4	Research work	3.45	Accept

Discussion of findings

Based on the data collected and analyzed, the responses to research questions from Taraba state University, Jalingo show that Microsoft Power point was frequently used for administrative work, passing information and research work but poorly used for lecturing. It was only effectively used for research work. Microsoft Excel on the other hand was frequently used for administrative work, lecturing, passing information and research work but not effectively. Conversely, Corel draw was only frequently used for research work but not effectively used. Statistical Product and Service Solution (SPSS) was frequently used for administrative work only but not effectively used. However, Microsoft word was found to be frequently and effectively used for administrative work, lecturing, passing information and research work.

The analyzed data from Taraba State Polytechnics show that Microsoft Power point was frequently used but effectively used for lecturing and research work only. Microsoft Excel on the other hand was not frequently used but effectively used only in passing information. Conversely, Corel draw was frequently used administrative work and passing information but effectively used for lecturing only. Statistical Product and Service Solution (SPSS) was frequently used for administrative work only but effectively used for administrative work, passing information and research work. However, Microsoft word was found to be frequently and effectively used for administrative work and passing information

The analyzed data from College of Education, Zing shows that Microsoft Power point was frequently and effectively used except research work. Microsoft Excel on the other hand was both frequently and effectively used. Similarly, Corel draw was also frequently used and effectively used. On the same vein, Statistical Product and Service Solution (SPSS) was also found to be frequently and research. Likewise, Microsoft word was found to be frequently and effectively used except for research work

The analyzed data from Peacock College of Education shows that Microsoft Power point was not frequently and effectively used except passing information. Microsoft Excel on the other hand was frequently used except in lecturing and effectively used only in passing information and research work. Corel draw was neither frequently used nor effectively used. On the same vein, Statistical Product and Service Solution (SPSS) was also not found to be frequently but effectively used only in administrative work. Conversely, Microsoft word was found to be frequently and effectively used

The analyzed data from College of Nursing shows that Microsoft Power point was neither frequently nor effectively used. Similarly, Microsoft Excel on the other hand was neither frequently nor effectively used. On the same vein, Corel draw was neither frequently used nor effectively used. Likewise, Statistical Product and Service Solution (SPSS) was also not found to be frequently nor effectively used. Also, Microsoft word was not found to be frequently nor effectively used

The analyzed data from College of Agricultural, Science and Technology shows that Microsoft Power point was frequently and effectively used. Similarly, Microsoft Excel on the other

hand was frequently and effectively used. On the same vein, Corel draw was frequently used and effectively used. Likewise, Statistical Product and Service Solution (SPSS) was also found to be frequently and effectively used. Also, Microsoft word was found to be frequently and effectively used

CONCLUSION AND RECOMMENDATION

It is obvious from the result that frequency of use of computer application packages and its effective use are relatively low in Tertiary Institutions in Northern Senatorial Zone of Taraba State. It is therefore recommended that computer and computer application packages should be made available for institutional use; staff training in the use of computer application packages should be frequently carried out, power should always be available to power the computer systems, provision of incentive as motivation for staff to acquire necessary computer application packages skills should be made available and periodic assessment of staff on the use of the computer application packages should be carried out.

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