

Self-esteem and Innovative Pedagogies as Correlation of Performance and Experience of Motor Vehicle Mechanic Work of Technical College in Nigeria

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Abstract: The study was a survey design. The study was to determine the Self-esteem and Innovative Pedagogies as Correlation of Performance and Experience of Motor Vehicle Mechanic Work of Technical College in Nigeria. Four purpose of the study and four hypotheses were formulated to guide the study. The population for this study comprises of 120 respondents of MVMW. The sample size for this study, the study will be manageable. Instruments used for data collection were: Self-esteem and Innovative Pedagogies as Correlation of Performance and Experience of Motor Vehicle Mechanic Work Questionnaire (SIPCPEMVMWSQ) with 40 multiple questions. The Cronbach Alpha Reliability Coefficient of the test instrument was used to determine the reliability coefficient of 0.90, is obtained which were indicates that the instrument was reliable for the study. The data collected was analyzed in line with the research questions and hypotheses using mean, standard deviation and the hypotheses were tested at 0.05 levels of significances using SPSS, version (21). The relation was found to be significant; the study revealed that Self-esteem and Innovative Pedagogies as relation on Performance and Experience, the study was found to be significant. Therefore, the following recommendation are made: Motor Vehicle Mechanic Work teachers should adopt Innovative Pedagogies to improve teaching and learning of auto-mechanic courses, in preparing lesson plans/note, Motor Vehicle Mechanic Work teachers should include Innovative Pedagogies of Performance and Experience of Motor Vehicle Mechanic Work when teaching students in the class.

Keywords: Innovative Pedagogies, Performance, Self-esteem, Experience, Motor Vehicle Mechanic Work, Technical College

1. Introduction

Technical colleges in Nigeria have been training people to become craftsmen and technicians. Technical Colleges require well-trained and competent technicians who can operate and maintain the available technical equipment [10]. Technical College is a segment of Technical and Vocational Education (TVE) designed to produce craftsmen at the secondary school level and master craftsmen at the advanced

craft to achieve Technical goals of training [6]. The goals of Technical Colleges are to provide trained manpower in the applied sciences, technology and business particularly at craft, advanced craft and technician levels; provide the technical knowledge and vocational skills necessary for agricultural, commercial and economic development; and give training and impart the necessary skill to individual who shall be self-reliant economically [6]. Technical Colleges as institution that provide technical training to technician and craftsmen in order to be employ or to be employ others in a

number of courses which include General Education, Electrical/Electronic trades, Brick/block laying and Concreting trades, Woodwork trades, Printing trades and Motor Vehicle Mechanic Work.

Motor Vehicle Mechanic Work is one of the Technical Vocational Education (TVE) programs which involve the acquisition of scientific knowledge in design, selection of materials, construction, operation and maintenance of motor vehicles. MVM work is to enable learners to test, diagnose, service and repair any fault relating to conventional and nonconventional motor vehicle main assembly units and system to the manufacturers specification [9]. teachers teaching MVM work should equip the technical students not only with necessary theoretical knowledge and practical skills but also with socially and emotional behaviors that will enable them develop rational sense to secure paid employment, be able to set up their workshops and be self-employed and even employ others [2].

Performance is an indication of the attainment of stated objectives in any academic subject. Performance is depended upon several factors among which are instructional methods, the learning environment and the learner [4]. Performance, to refers to the enhancement of the students' current state of knowledge and a skill reflected in their Grade Point Average (GPA) performance is typically assessed by the use of teacher ratings, tests, and exams [5]. performance of students has a direct impact on the socio-economic development of a country [14]. performance is the knowledge gained which is assessed by marks by a teacher and/or educational goals set by students and teachers to be achieved over a specific period of time [8]. In fact, performance is more likely to be experienced and evidenced when students feel personally validated and believe that their effort matters and can influence or control the prospects of their academic success and self esteem [3].

Self-esteem is based on individual opinions and beliefs about themselves, which sometimes feel really difficult to change. Self-esteem is a central construct in clinical, developmental, personality, and social psychology [1]. One of the pioneers in this domain, stated that self-esteem refers to an individual overall positive evaluation to the self [1]. self-esteem refers to individual's perception or subjective appraisal of one's own self-worth, one's feelings of self-respect and self-confidence and the extent to which the individual holds positive or negative views about self [12]. the self-esteem is related to personal beliefs about skills, abilities, and social relationships [1].

Innovative Pedagogies is the method and practice of teaching, especially as an academic subject or theoretical concept. Pedagogy is the encompassing term that is concerned with what the instructors do influence the learning of others. pedagogy is regarded as a complicate phenomenon comprising of a variety of practices supported by the principles that are acquired through training and as a result of professional experience and personal understandings [13]. In other words, the professional experience of the individuals and personal understandings are regarded as essential factors

that are taken into consideration in understanding the meaning and significance of pedagogy [11]. Pedagogy is concerned with the fact that both theory and practice should be taken account in terms of how the knowledge is produced. In this manner, both theory and practical become the key factors in the interplay with pedagogy encompassing the aspects that include the references of the students in terms of learning [7]. Pedagogy is regarded as the relationship between theory and practice of educating. It requires meaningful interactions and respect between the educators and the learners. The primary goal is to help the learners to build on prior learning and develop the competencies and attitudes.

2. Statement of the Problem

Motor Vehicle Mechanic work is to enable learners to test, diagnose, service and repair any fault relating to conventional motor vehicle main assembly units and system to the manufacturers specification. Also Motor Vehicle Mechanic work equip the Technical students with necessary theoretical knowledge and practical skills that will enable them develop rational sense to secure paid employment, be able to set up their workshops and be self-employed and even employ others.

In spite of the huge investment by the successive Nigeria government on Technical Colleges programme aimed at improving the image and self-esteem of Technical College students, the performance and Experience of the students in Motor Vehicle Mechanic Work in North East Technical College has never been encouraging due to lack of Innovative Pedagogies to the students. The prevalent high rate of unemployment among Technical College auto mechanics graduates, no doubt, defeats the very fundamental objective of acquisition of skills for self-esteem emphasized in the National Policy on Education. Some researchers have attributed the poor student's performance in Technical trades such as auto mechanics which involve workshop practice. the observed that poor quality of teaching accounts for poor student's achievement in the main trades such as auto mechanics technology in the technical colleges [6].

The issue of poor quality of teaching observed that the teaching methods which are teacher-centre are the main teaching method not employed by Technical teachers for implementing the Innovative Pedagogies observed. Obviously, the adoption of students only teacher-centre instructions of teaching by the teacher results into ineffective use of varieties of instructional methods such as Innovative Pedagogies which are capable of supporting instruction with voice, image and animation to naturally increase students commitment and involvement in learning and also lead to improved the experience, performance and self-esteem of technical students in northeast Nigeria.

3. Purpose of the Study

The main purpose of this study is to examine the Self

esteem and Innovative Pedagogies as Correlation of Performance and Experience of Motor Vehicle Mechanic Work of Technical College in Nigeria. The specific objectives of this study include the following:

- 1) Level of performance of Motor Vehicle Mechanic Work of Technical College Nigeria.
- 2) Level of self-esteem of Motor Vehicle Mechanic Work of Technical College in Nigeria.
- 3) Relationship between the self-esteem and performance of Motor Vehicle Mechanic Work of Technical College in Nigeria.
- 4) Relationship between the innovative pedagogies and performance of Motor Vehicle Mechanic Work of Technical College in Nigeria.

4. Methodology

The study was a survey design. The study was to determine the Self-esteem and Innovative Pedagogies as Correlation of Performance and Experience of Motor Vehicle Mechanic Work of Technical College in North East Nigeria. Four purpose of the

study and four hypotheses were formulated to guide the study. The population for this study comprises of 120 respondents of MVMW. The sample size for this study, the study will be manageable. Instruments used for data collection were: Self-esteem and Innovative Pedagogies as Correlation of Performance and Experience of Motor Vehicle Mechanic Work Questionnaire (SIPCPEMVMWSQ) with 40 multiple questions. The Cronbach Alpha Reliability Coefficient of the test instrument was used to determine the reliability coefficient of 0.90, is obtained which were indicates that the instrument was reliable for the study. The data collected was analyzed in line with the research questions and hypotheses using mean, standard deviation and the hypotheses were tested at 0.05 levels of significances using SPSS, version (21).

5. Presentation of the Result

5.1. Research Question 1

What are the levels of performance of Motor Vehicle Mechanic Work of Technical College in Nigeria?

Table 1. Mean and Standard Deviation of the levels of performance of Motor Vehicle Mechanic Work of Technical College in Nigeria.

S/n	Items	Mean	SD	Remark
1	Depended upon several factors among which are instructional methods	3.08	0.93	Sig
2	Enhancement of the students' is current state of knowledge	2.53	0.76	Sig
3	Performance of students have a direct impact on the socio-economic development of a country	2.47	0.96	Not Sig
4	Knowledge gained which is assessed by marks by a teacher and/or educational goals set by students and teachers to be achieved over a specific period of time.	2.91	0.99	Sig
5	Action brought about or accomplished by effort, skill or courage	2.82	1.20	Sig
6	Depicts the level of knowledge; skill accomplishment in an area of endeavor	3.08	0.52	Sig
7	Indication of the attainment of stated objectives in any accomplissubject	3.67	0.62	Sig
8	Is more likely to be experienced	3.59	0.63	Sig
9	Evidenced when students feel personally validated and believe that their effort matters and can influence	3.51	0.64	Sig
10	Ability to control the prospects of their academic success	3.52	0.74	Sig

Table 1 shows mean of 2.47 to 3.67 that items number 1, 2, 4, 5, 6, 7, 8, 9 and 10 are above 2.50 meaning the items are significance. Only item number 3 is below 2.50 meaning it is not significance. While standard deviation ranges from 0.52 to 1.20 meaning there is close relationship in the means responses.

5.2. Research Question 2

What are the levels of self-esteem of Motor Vehicle Mechanic Work of Technical College Nigeria?

Table 2. Mean and Standard Deviation of the levels of self-esteem of Motor Vehicle Mechanic Work of Technical College in Nigeria.

S/n	Items	Mean	SD	Remark
1	Individual opinions and beliefs about themselves	3.63	0.77	Sig
2	Sometimes feel really difficult to change	3.55	0.85	Sig
3	Individual overall positive evaluation to the self	3.51	0.79	Sig
4	One's feelings of self-respect and self-confidence	3.64	0.62	Sig
5	Extent to which the individual holds positive or negative views about self	3.52	0.64	Sig
6	Beliefs about skills, abilities, and social relationships	3.40	0.65	Sig
7	globalbarometerofself-evaluation involvingcognitiveappraisalsaboutgeneralself-worth	3.27	0.74	Sig
8	affective experiencesoftheselfthatarelinkedtotheseglobalappraisals	3.35	0.68	Sig
9	evaluationofoneselffollowedself-esteem	3.39	0.72	Sig
10	affective elements are present in all extant definitions	3.41	0.66	Sig

Table 2 shows mean of 3.27 to 3.64 that items number 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 are above 2.50 meaning the items are significance. While standard deviation ranges from 0.62 to 0.85 meaning there is close relationship in the means responses.

5.3. Research Question 3

What are the relationship between the self-esteem and performance of Motor Vehicle Mechanic Work of Technical College in Nigeria?

Table 3. Mean and Standard Deviation of the relationship between the self-esteem and performance of Motor Vehicle Mechanic Work of Technical College in Nigeria.

S/n	Ability to	Mean	SD	Remark
1	considered being less malleable than self-concept	3.37	0.58	Sig
2	people intuitively recognize the importance of self-esteem	3.06	0.86	Sig
3	consider personal satisfaction and psychotherapy, and new elements were introduced	2.70	0.67	Sig
4	helped to understand the reasons why people tend to feel less worthy	2.96	0.98	Sig
5	discouraged and unable to understand challenges by themselves	3.42	0.66	Sig
6	unconditional acceptance and self-acceptance as the best way to improve self-esteem	3.38	0.76	Sig
7	humans feel emotions related to themselves	3.37	0.71	Sig
8	feeling of personal worth	3.18	0.96	Sig
9	along with locus of control	2.94	0.80	Sig
10	core self-evaluations approach includes self-esteem and performance	3.08	1.00	Sig

Table 3 shows mean of 2.70 to 3.42 that items number 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 are above 2.50 meaning the items are significance. While standard deviation ranges from 0.66 to 1.00 meaning there is close relationship in the means responses.

5.4. Research Question 4

What are the relationship between the innovative pedagogies and performance of Motor Vehicle Mechanic Work of Technical College in Nigeria?

Table 4. Mean and Standard Deviation of the relationship between the innovative pedagogies and performance of Motor Vehicle Mechanic Work of Technical College in Nigeria.

S/n	Items	Mean	SD	Remark
1	indication of the attainment of stated objectives in any academic subject	3.07	0.93	Sig
2	method and practice of teaching, especially as an academic subject or theoretical concept	3.32	0.83	Sig
3	encompassing term that is concerned with what the instructors do influence the learning of others	3.35	0.85	Sig
4	experience of the individuals and personal understandings	3.45	0.81	Sig
5	essential factors that are taken into consideration	3.44	0.84	Sig
6	understanding the meaning and significance of pedagogy	2.98	0.94	Sig
7	build on prior learning and develop the competencies and attitudes	3.27	0.77	Sig
8	interactions and respect between the educators and the learners	2.72	1.19	Sig
9	the relationship between theory and practice of educating	3.38	0.76	Sig
10	concerned with the fact that both theory and practice	3.37	0.71	Sig

Table 4 shows mean of 2.27 to 3.44 that items number 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 are above 2.50 meaning the items are significance. While standard deviation ranges from 0.71 to 1.19 meaning there is close relationship in the means responses.

- 4) Motor Vehicle Mechanic Work teachers should include Innovative Pedagogies of Performance and Experience of Motor Vehicle Mechanic Work when teaching students in the class.

6. Recommendation

Self-esteem and Innovative Pedagogies as Correlation of Performance and Experience of Motor Vehicle Mechanic Work of Technical College in Nigeria.

- 1) Workshops, seminars and conferences should be organized by State Science and Technical Schools Board to enlighten and train Motor Vehicle Mechanic Work teachers on the of Self-esteem and Innovative Pedagogies for improving Motor Vehicle Mechanic Work Performance and Experience.
- 2) National Board for Technical Education (NBTE) should consider the review of curriculum for Motor Vehicle Mechanic Work with a view to incorporating activities that reflect Self-esteem and Innovative Pedagogies to enable students learn more effectively.
- 3) Motor Vehicle Mechanic Work teachers should adopt Innovative Pedagogies to improve teaching and learning of auto-mechanic courses, in preparing lesson plans/note.

7. Conclusion

Based on the results of this study, which shows that Self-esteem and Innovative Pedagogies is a contemporary teaching approach which maximize students' learning potentials by minimizing the problems caused by the students' individual difference and creating a learning environment appropriate for each student's intelligences. The Self-esteem and Innovative Pedagogies will give teachers the opportunity to engage the students in the learning process, which will increase their Performance and Experience and their willingness to take ownership and responsibility for their learning. Thus, if Self-esteem and Innovative Pedagogies is adopted to teach Motor Vehicle Mechanic Work in Technical Colleges, the Motor Vehicle Mechanic Work craftsmen will, undoubtedly, be equipped with knowledge and skills that will help them to easily adapt and apply their skills in Motor Vehicle Mechanic Work as well as perform and cope more effectively with complexities in the vast changing Automobile World of Work.

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