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Synopsis

Development of Entrepreneurship Skill Training Modules in Motor Vehicle Mechanic Work for Enhancing Self Employability of Technical College Graduates in Lagos State, Nigeria

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INTRODUCTION

Motor Vehicle Mechanic Work is one of the trades offered in technical colleges to equip students with knowledge, skills and attitudes in motor vehicle maintenance. Motor Vehicle Mechanic Work is designed to produce competent auto mechanics craftsmen for Nigeria technological and industrial development. The aim of motor vehicle mechanic work is to give training and impart the necessary skills leading to the production of auto mechanics craftsmen, technicians and other skilled personnel who will be enterprising and self-reliant. Auto mechanics craftsmen are expected to test, diagnose, service and completely repair any faulty motor vehicle to the manufacturers' specification. The components of motor vehicle mechanic work are engine maintenance, suspension, steering and braking system, auto electricity and transmission reconditioning work, major engine repair works and service station mechanic. Various skills or competence in motor vehicle mechanic work are taught by teachers in the technical colleges and for easy understanding of the skills taught, this can be arranged in modules. The graduates of motor vehicle mechanic work are expected to set up their automobile workshop and employ others but could not do this due to lack of entrepreneurship skills in motor vehicle mechanic work.

The lack of entrepreneurship skills have resulted in the inability of graduates in motor vehicle industries to compete in an increasingly complex business environment, which is due to default in the curriculum module in which the graduates were trained with. The inability of graduates to acquire the relevant entrepreneurship skills is therefore due to deficiency in curriculum which also lead to the problem of poor growth and high incidence of business failure and unemployment in the study area.

Teaching of skills organised in modules have helped to enhance instruction of technical trades. Unavailability of entrepreneurship skill training modules to train graduates of motor vehicle mechanic work necessitated this study. In order to enhance self employability of technical college graduates, there is need to develop entrepreneurship skill training modules in motor vehicle mechanic work. Specifically, the study sought to determine: (i) the objectives of skill training modules, (ii) contents of entrepreneurship skill training modules, (iii) facilities required for implementing entrepreneurship skill training modules, (iv) teaching strategies for implementing entrepreneurship skill training modules, (v) evaluation techniques for assessing entrepreneurship skill training modules and (vi) develop an entrepreneurship skill training modules.

METHODOLOGY

The design adopted for the study was Research & Development. The population for the study was made up of 230 teachers and registered supervisors in automobile industries in Lagos State. These were 26 teachers of motor vehicle mechanic work in five technical colleges and 204 supervisors in 68 registered auto maintenance industries in Lagos State. The sample for the study was 230 respondents as there was no sampling. A structured questionnaire titled: "Motor Vehicle Mechanic Entrepreneurial Skills Module Scale (MVMESMS)" was used as instrument for data collection and was organised on 4-point scale of strongly agree, agree, disagree and strongly disagree. The instrument was face validated by five experts. These were experts from the Department of Automobile Technology, Federal University of Technology Akure, Ondo State, Registered Automobile Maintenance Industries in Lagos State, Department of Business Administration University of Lagos and Department of Education University of Ibadan. The internal consistency reliability coefficient of 0.88 was obtained for MVMESMS using Cronbach alpha technique. The data collected were presented using descriptive statistics while t-test was used in testing the hypotheses at 0.05 level of significance.

RESULTS

The objectives of entrepreneurship skill training modules include: applying planning skills in motor vehicle

mechanic work (3.49 ± 0.58), managing motor vehicle mechanic work enterprise (3.31 ± 0.64) and employing various form of technical skills to establish motor vehicle mechanic work (3.37 ± 0.64), developing personal skills for enhancing motor vehicle mechanic work enterprises (3.32 ± 0.58). There are 135 content areas of entrepreneurship skill training modules which includes: sources of finance for the enterprises (3.34 ± 0.59), faults in the automobile using appropriate tools and equipment (3.42 ± 0.61), use of records and inventories (3.40 ± 0.63), resources for goal attainment (3.31 ± 0.65). Facilities for implementing entrepreneurship skill training modules were: diagnostic scanning tools OBD II (3.45 ± 0.63), digital wheel alignment machine (3.52 ± 0.61) and crimping tools (3.45 ± 0.63). Strategies for implementing entrepreneurship skill training modules were, skill demonstration (3.34 ± 0.69), involve the trainees in learning process by asking questions which provoke critical thinking (3.32 ± 0.72), employ team teaching techniques (3.34 ± 0.58). Evaluation techniques for assessing the entrepreneurship skill training modules were: give test that related to what the trainees have learned from the modules (3.35 ± 0.62), assess practical project given to trainees (3.42 ± 0.63) and rating scale (3.22 ± 0.61). There was no significant difference ($p > 0.05$) in the mean ratings of the responses of teachers and supervisors on objectives, contents, facilities, delivery systems and evaluation techniques for assessing entrepreneurship skill training modules.