

## Abstract

The study was designed to identify the emerging technology competencies needed for establishing automobile enterprises by motor vehicle mechanics in the Federal capital territory Abuja, Nigeria. Three research questions and three hypotheses guided the study. A descriptive research design was employed for the study. The study was carried out in FCT, Abuja Nigeria. A total of 854 respondents comprising of 810 motor vehicle mechanic master craft men were drawn through the use of a proportional stratified random sampling technique and 44 automobile industrial technicians were used as a total population for the study. A structured questionnaire titled Automobile Enterprises Emerging Technology Competencies Questionnaire (AEETCQ) developed by the researcher and validated by three experts was used for the data collected for the study. The reliability coefficient of the instrument was 0.85 through Cronbach Alpha statistics: Statistical Package for Social Science (SPSS Version 23) were used for the data analysis. Mean and standard deviation were the statistical tools for answering research questions while z-test statistics was used to analyse the null hypotheses formulated for the study at a 0.05 level of significance. The findings of the study revealed among others that all the identified emerging technology competencies in the study were highly needed by motor vehicle mechanics for establishing automobile enterprises in FCT, Abuja Nigeria. Based on the findings it was recommended that: The National Automotive Design and Development Council (NADDC) charged with the responsibility of organising training and refresher programmes for motor vehicle mechanics should in collaboration with the Federal Ministry of Labour and Productivity incorporate the identified emerging technology competencies needed by motor vehicle mechanics in their training programmes as this will expose them to innovations in modern automobiles and thus boost their performances in the area of undertaking the repairs and maintenance of the modern vehicle in their enterprises. Since most motor vehicle mechanics are products or graduates technical colleges in Nigeria, National Board for Technical Education (NBTE) should integrate the all emerging technology competencies needed by motor vehicle mechanics identified in the study into the curriculum of the motor vehicle mechanics work programme as this measure will go a long way to encourage and strengthen the students' interest towards establishing automobile enterprises upon graduation.

**Keywords:** Motor vehicle mechanic, Emerging technology, Emerging technology competencies, Maintenance and Automobile enterprise.