

## **Abstract**

*This study assessed the workshop resources for effective teaching and learning of fabrication and welding craft practice in technical colleges in Niger State and Abuja, Nigeria. Two research questions and two hypotheses guided the study. A descriptive survey research designed was utilized for this study. The population of the study consisted of 44 respondents made up of 17 teachers and 27 school administrators was used as total population for the study. A structured questionnaire titled "Welding and Fabrication Resources Assessment Questionnaire (WFRAQ)" was face validated by three experts from Department of Industrial and Technology Education, Federal University of Technology Minna Niger State. The data collected were analyzed using Cronbach Alpha Statistics and it yielded 0.78 reliability coefficient. Mean and standard deviation were used to answer the two research questions and the two null hypotheses were tested at 0.05 level of significance using t-test statistics. The numerical values obtained from the responses of the respondents were tabulated and analyzed using statistical package for social science (SPSS) version 23. The findings among other revealed that consumable materials in welding and fabrication practice such as angle grinding wheels, filler rods, solid wires, welding wires, Parent plates or pipes, electrodes are available for teacher in technical colleges in Niger State and Abuja. It is recommended amongst other that Fabrication and welding consumable materials such as filler wire and paints should be adequately provided in Niger State and Abuja technical colleges for effective implementation of metalwork curriculum. The state government should ensure that there are adequate of welding and fabrication personnel and provision of workshop resources to enable teachers demonstrate the basic concept of teaching welding and fabrication in technical colleges.*

**Keywords:** Technical Education, Technical Colleges, Fabrication, welding, Workshop Resources, Assessment.