This study looks into the use of electronic resources by the faculty members of College of Technology Education, Kumasi of the University of Education, Winneba, Ghana. Sixty-two copies of a questionnaire were sent to the entire faculty and 31 were returned which gave a response rate of 50%. The responses showed very low level of faculty awareness of the electronic resources. It was also found out that inadequate training in the use of the electronic resources was a major factor in the non-use of the electronic resources by the faculty. The paper then professes suggestions such as aggressive marketing of the resources and the need to train users to acquire skills to enhance their optimal utilization of the resource