With the appearance of new information and communication technologies (ICT), the whole educational system has undergone dramatic changes within the past two decades. Indeed, the technological change and globalization that overshadowed language learning and teaching has speeded up over the last years to the point that it has become very diverse in creating a new global generation inspired and driven by technology. So, the integration of Information, Communication, and Technology (ICT) will assist teachers to the global requirement to replace traditional teaching methods with a technology-based teaching and learning tools and facilities.

From this perspective, the researcher intended to make an investigation about the inclusion of such technological materials (ICTs) in general and internet applications in particular in the language educational process and explore the effectiveness it would create upon the students' learning development and more precisely on the development of their communicative competencies . Thus, this research paper intends to investigate whether ICT tools and internet applications have an effect on the students' learning process or not; as well as it is determined to highlight the positive impact of some internet applications in motivating the learners to perform better in class since they increase their interest in the courses .Eventually, this study aims at offering teachers some recommendations as strategies, and techniques that may serve for the creation of a more technological, progressed atmosphere which in turn serves for motivating students and developing their communicative competence and skills. In Algeria, ICT is considered as one of the main elements in transforming the country to the future development. This study aims also to analyze teachers’ perceptions on the effectiveness of ICT integration to support teaching and learning process in classroom. A survey questionnaire was distributed randomly to the total of 20 university teachers from 10 different departments of English in Algeria. The data for this quantitative research were analyzed through using the descriptive method. The results indicate that ICT integration has a great effectiveness for both teachers and the students. Findings indicate that teachers’ well-equipped preparation with ICT tools and internet applications and facilities is one the main factors in success of technology-based teaching and learning. It was also found that professional development training programs for teachers can play a key role in enhancing students’ quality learning.

**Key words:** ICT Tools Integration; Internet Applications; Teaching and Learning; Technology Effectiveness.