



ENHANCING STUDENTS INNOVATION AND INTEGRATION THROUGH EFFECTIVE TEACHING AND LEARNING FOR SUSTAINABLE DEVELOPMENT IN NIGERIA

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Abstract

Globally, there has been an increase in the development of new technology, knowledge and idea otherwise called innovation. At one point or the other, this innovation manifests to solve Educational problems. These innovations are used in the Education system, for instance, the continue evolution of technology such as the interest in education. Education is pivotal to the development of the emerging economics of the world. The effectiveness of educational activities is equally the key to sustaining these development strides. This is why every well-meaning government formulates policies and organizes numerous opportunities that enhance the teaching and learning process thereby fostering the full realization of her educational aims and objectives. Effective teaching and learning has no doubt improved in equipping student with the necessary knowledge, skills and competences that empowers them for sustainable livelihood and somewhat translate to overall national development. It is against this backdrop that this paper broadly examines the topic; Equipping Student through Effective Teaching and Learning for Sustainable Development in Nigeria. It also considers the concept of Education, Effective Teaching and Learning Process, Productivity in educational Institute and how it facilitates the attainment of sustainable development of Nigeria in particular.

Keywords: Effective Teaching & Learning, Innovation, and Sustainable Development



Introduction

Globally, there has been an increase in the development of new technology, knowledge and idea otherwise called innovation. At one point or the other, these innovations manifest to solve Educational problems. These innovations are used in the Education system. For instance, the continuous evolution of technology such as the interest and social media, in this case, has impacted positively the education system of many nations in the different ways (Lucero,2021) currently, many global education system adopted e-learning, distance Education, e-assessment, artificial intelligence, cloud computing, gasification and Many other digital technology -based techniques in instructional delivery and assessment (Aldosari, 2020) these innovation are better applied in systematic manner that lead to effectiveness in the education system. Education is considered as a major key to success in the development of any individual, national or even the world at large. It is an indisputable fact that education is the foundation of the economic development of nations. This means that there ought to be positive efforts towards increasing the literacy level of the citizens. The positive move is in agreement with the submission of UNESCO (2002) that all citizens can participate in the development of activities when the nation provides them with educational opportunities.

In Nigeria and in other developing and developed nations, provision of formal education is a joint responsibility of the government and private venture because of huge financial involvement. This decentralization of educational responsibility aims at meeting the world's educational standard and sustainability (FRN, 2014).

The effectiveness of teaching and learning has posed a lot of questions by parent, education, government and the general public. Equipping students through effective teaching and learning matters much, this is because; its outcome has to do with the level of development a country enjoy. To enjoy a high rate of sustainable development in Nigeria, our educational institutions need to ensure that the education they offer meets the expected standard and quality toward global best practices. This implies that teaching and learning process in Nigeria will be such that will equip the students with their expected learning experience as well as align them with the requirement of both local and international employers. To achieve this, the teacher among other things should adopt modern and appropriate teaching method and strategies that will facilitate effective learning by providing students with knowledge that will make them to be concerned, reflective, creative and participatory towards problem-solving and contributing to sustainable national development.

According to Obizue and Obizue, (2016) lack of motivation of teachers and students, poor infrastructural and resource material, inadequate funding, unqualified and inexperienced teaching staff is among factors that inhibit teaching and learning activities in Nigeria. Effective teaching increases student control over their learning. This is because learning in itself is active, and uses primary source, higher order thinking skills and allows students to join in developing learning goals, make decisions, and exhibits attribute that show that learning has actually taken place (Morrison, 2010). This is supported by the view of Knolle (2002), that effective strategies for ensuring successful educational experiences among



students should include to, encouraging active learning and prompt feedback, developing reciprocity and cooperation among student, emphasizing time on task, communicating high expectations and respect diverse talents and ways of learning. Teaching and learning towards global best practices enables the student to retain information better. This enables the students to apply it in real life situations which inform sustainable development.

The Concept of Education

Education is a process of teaching and learning. It is the aggregate of all the activities via which an appropriate knowledge, abilities and skills are transferred to learning for the benefit of the individual learner and the society. Ikechi (2012) defined Education as the mechanism by which society generates the knowledge and skill required for its own survival and sustenance and which it transmits to the future generation through the process of instruction to its younger ones.

Education is asocial service designed to eliminate illiteracy. it is the medium for transmission of knowledge and worthwhile values from generation to generation. Obizue and Obizue (2016), assert that Education is the pivot on which every nation's development revolves and no nation grows or develops above the level of her education system. Education is cost intensive project and for it to be effective in realizing the set goals, it becomes necessary and important for joint effort (public-private partnership) in the provision and funding of Education, if we must achieve good quality and standard in our education system and sustain the development.

Effective Teaching and Learning Process

The effectiveness of teaching and learning process lies in the ability of a teacher to inculcate appropriate knowledge in learner and the learner's ability to exhibit the desired outcome of learning in his or her immediate environment. the impact of learning experiences on the learner and the society at large is clear evidence that effective teaching and learning actually took place. however, the on-going decline in the standard and outcome of education in our nation is the reason for the public outcry for what needs to be done to enhance educational activities vis-a-vis the pursuit and possible accomplishment of its national policy goals. the import of mean streaming and cluster training is one of the steps in the right direction towards salvaging the declining standard of education in this country.

Teaching

Teaching is a profession, act or practice of a teacher to impact or inculcate knowledge, skills, ideas, dispositions and values to the learner (s) in order to bring about some desired behavioral changes that in line with the pre-determined goals of the process. according to Morrison (2010) teaching is the intimate contact between a more mature personality and a less-mature one which is designed to further the education of the latter. It is an interactive process and a designed system of action primarily involving a classroom talk that takes place between the teacher and the student in a defined setting. Ogunu (2001) posits that the teacher is the central point of teaching and learning process and the effectiveness of the process in equipping the learner with designed attributes depends on how effective the teacher is in his or her duty.



Learning

Learning is the activity or process of gaining knowledge or skill by being taught, studying, practicing or experiencing something. This is a personal process the teacher (supervisee) which gear towards motivating the teacher to effectively perform his job, the ultimate aim of supervision is to improve teachers' effectiveness which helps in equipping the students with the desired learning attributes. Therefore, adequate supervision is concerned with making adequate provision for all the conditions which are essential to effective learning through effective teaching (Obizue & Obizue, 2016). Supervision is not just done without methods, plans, programmes and strategies. The different techniques of supervision could be; Classroom visitation and Observation, conferencing with teachers, demonstration teaching, evaluation, Enrolment in college courses, Micro-teaching, professional activities and conferences, professional writing/research, Clinical supervision, inter- school visitation and collegial supervision. It then becomes important to note that each Of these techniques have their advantages like building a trust relationship with supervisor and short-comings of possibility of incompatibility with supervisor. Feedback of a supervisory activity is what makes room for correction and improvement in the teaching and learning process that enhances the standard of education.

Regular In-Service Training

Regular in service teacher training schemes have proved to be effective in equipping teachers with necessary skills and development towards improving teaching and learning there was been large scale training but recently the cluster in-service training which is innovation brings teachers of same locality to chosen center for a

smaller group teaching. This helps to enhance teaching skills. However, it is expected that trained teachers should equally train other members of the teaching staff. note that the current movement to universalizing access to quality education in an effective manner , coupled with recent developments in our understanding of human learning has led to a critical re-examination of the conventional modes of teacher education .Nwogugu (2014), assert that in service training for teacher exposes the teachers to new areas of development and lots of innovations in teaching professions that could drive a teacher to a more assiduous and effective discharge of his/her duties. the introduction and training on some new skills and methods of teaching very helpful to a teacher, who must be productive in his profession. the job training of teacher is an innovation that augments teachers' pre-service education which is geared towards equipping the teachers with the necessary innovation in the areas of teaching skills and methods. This improves on teaching and learning as well as arousing teacher's competence and effectiveness in their subject areas. in the words of Ogunu (2001) the effectiveness of teaching and learning are in the productivity of the teacher and the leaning outcome as exhibited by the students. this aims at training the teacher on the newly acquired methodologies and approaches to their work as this makes teaching effective and interesting to the students who easily get informed

Mentorship

A mentor is a guidance a facilitator who has gone beyond others in a given profession, career or human endeavour with proven record of success, upon whom others look onto in the course of their professional or human pursuit in order to run smoothly and



achieve an appreciable level of success in life. In this context, mentoring is a process where a more experienced teacher guide and facilitates a classroom teacher in all areas of need in his teaching activities towards making him effective in discharging his duties while the teacher in turn guides the students to learn well, develop himself and contribute to national development. Nwogugu (2014), observes that a mentor can render assistance in the preparation of lesson plans and notes, procuring, developing and utilizing instructional materials, delivering lessons and even obtaining feedback from the learners. There are important needs for teachers to be provided with continuous professional development support like the cluster training and other re-fresher courses in order to bring them to acceptable standard for effective classroom delivery towards global best practices (Ikechi, 2012). Regular mentorship by experienced colleagues will provide the necessary support to teachers and expose them to variety of guidance and innovations that are very helpful for effective teaching and impartation of knowledge.

Motivation

Motivation is a stimulus strategy used to encourage and inspire staff to take the required action in discharging their duties. This is a kind of incentive that drives teachers to put in their best of ensuring that they actually and effectively pass the required knowledge to the learners. On the other hand, the learner needs to be motivated in areas of good and high performance. According to Obizue (2015), Motivation increases the morale of both teachers and students and makes them become more zealous as they begin to have belief and unbroken focus in their assignment. Since it is effective teaching that bring about effective learning, it is necessary to

understand that motivation in the school system goes in two ways; motivation of the teachers and motivations of the learners. Both could be either intrinsic or extrinsic. One can be internally or externally motivated where applicable.

Conclusion

So far, we have been able to critically analyze that effective teaching and learning could be used to equip students and how it culminates into economic development and the sustainability of same. It is very obvious that education is a proven instrument for the transfer of knowledge and no nation grows or develops above the level of her education. No wonder it is very vital for education to be effective and efficient in order to get the best of the teachers as well as the active involvement of the learners towards achieving the desired learning outcome and the sustainable developmental goals of our nation. The truth is that governments of the developing countries like Nigeria and their private counterparts in education have fallen short of effective teaching and learning which has led to the public outcry for poor quality and standard of education and low pace of economic development. It is therefore, concluded that education activities in Nigeria has not been all that effective and this has caused the country a lot in her developmental steps hence, Nigeria is still having a dwindling economy till today.

Suggestion

In the light of the above and in consideration of the relationship among input, output, system and the activity processes in the educational institution, the operators and management of educational institutions in Nigeria must re-affirm that productive improvement never ends therefore, there is every need to introduce reorientation programmes so as to keep enlightening them



on the need for proper and adequate funding of educational institutions in order for them to function effectively, dispense the quality education expected of them which will help in the sustainability of the nation's developmental goals. In view, bank credit is recommended as a good source for sufficient funding of education towards the attainment of the sustainable development goals in Nigeria.

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