Relevance of Academic Research Collaboration: Pathway for Obtaining Qualitative Teaching and Learning

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Abstract: Collaborations in academic research have been popularized previously in the academic world. This study examines the perception of academics towards academic research collaborations. The survey research design was adopted for this study. The population of the study comprises of all the academic tutorial staff of Imo State University Owerri. The sample was selected in multi stages and 100 tutorial staff were drawn using purposive and random sampling techniques. Four objectives guided the study. Questions which sought to find out lecturers’ level of involvement in academic research collaborations, patterns of collaboration, application of new methodologies in the research collaborations and impact of the collaborations on productivity guided the study. Data was presented using pictorial graphs and simple percentages. Results from the study amongst many reveal that 73% of the sampled population engage in academic research collaborations, 40% of these collaborations are intra departmental/faculty/institutional, 27% are inter departmental/faculty/institutional while 20% are both intra and inter while 13% of the sample did not engage in academic research collaborations. It was recommended that academic research collaborations between different institutions, departments and faculties should be emphasized by academics to enhance cross fertilization of ideas in the world of education and academics should think out ways to carry out joint (collaborative) groundbreaking researches which would bring about an increase in academic opportunites.

I. INTRODUCTION

Collaboration in the context of higher education, is a situation where two or more higher institutions of learning, team up to work together towards sharing educational and research goals, achieving common goals, and enhancing collective effort in meeting educational needs in focus (Depaepe, Verschaffel, & Kelchtermans, 2013). Collaboration between higher institutions of learning has long been an accepted practice in the educational system and as a result, academics from different disciplines in either the same or different institutions team up to carry out a research (Read, 2010).

Studies exploring collaboration often focus on cross boarder higher education; information exchange amongst universities etcetera (Lewis, Ross, & Holden, 2012). This focus is relevant to the field of academics, however, studies on interdisciplinary research is rare (Bammer, 2008). While collaboration is increasingly recognized to be important for research, researchers’ collaboration networks are still not adequately recognized as a form of research capacity in the literature (Ibe, 2016).

Research is a knowledge creation activity and interpersonal research collaboration networks are important for knowledge cross-fertilization and research productivity (Montague, 2015). An academic research collaboration is likely to take place between individuals from the same academic institutions. It can as well be among individuals from different academic institutions (Amabile, Patterson, Mueller, Wojcik, Odomirok, & Marsh, 2001).

Academic Research Collaboration has provided novel opportunities for researchers to develop their skills in management, communication and excel in the academic pursuits. Adapted from Amabile et al’s model for research collaboration, we suggest a three dimensional structure which can be used to describe academic research collaboration.
skills; Opportunities to develop communication skills; Access to new funding streams; Increased opportunities for meaningful impact (Voss, Kunter, & Baumert, 2011).

Benefits of Academic Collaboration

The word collaboration according to (Wagner, 2008) means working jointly with others or together especially in an intellectual endeavor. Academic collaboration is primarily a relationship between people; the researchers or administrators of different institutions (Amey, Eddy & Ozaki, 2007). It is a valuable tool that not only accelerates the progress but also enhances the quality of and extends the repertoire of the partners (Bukvova, 2010).

This study is anchored on Social network theory which forms a major paradigm in contemporary sociology. The social network theory was propounded by Burt, Kilduff, & Tasselli (2013). The theory focuses on how people, organizations or groups interact with others in social networks. In this sociology paradigm, the social relationships are studied in terms of diagrams of social networks which constitute nodes (e.g., people) and ties (e.g., the relationships among people). The diagrams according to Deliasalle (2014) can be used to understand social capitals, the advantage being that an individual, cluster or a network may gain from social interactions as a result of their location in social networks (e.g., who they are connected with). Social network theory is developed to explain why people interact, how they interact, at what level of closeness and with what kind of outcome (Hu & Racherla, 2008).

Sargent and Waters (2004) developed a framework for academic research collaboration. Their framework puts into consideration, three dimensions: the collaboration process, the interpersonal processes within the team, and the contextual factors. The collaboration process is iterative and has four phases: (1) initiation, (2) clarification, (3) implementation, and (4) completion. Additionally, there are interpersonal processes in every team, concerned with management and social issues. The research collaboration team are influenced by the context including national and institutional climate, the institutional support and available resources.

II. FRAMEWORK FOR ACADEMIC RESEARCH COLLABORATION

Another model is presented by Stokols, Misra, Moser, Hall and Taylor (2008). They developed a conceptual framework to enable better analysis of research collaborations. The framework brings to light three areas:

- antecedent conditions (intrapersonal, social, physical environmental, organizational, and institutional), that influence the researchers’ readiness to collaborate;
- intervening processes (behavioural, affective, interpersonal, and intellectual), that are active throughout the collaboration and that contribute to;
- research products and outcomes (novel ideas, integrative models, new training programs, institutional changes, and innovative policies).

Kraut, Galegher and Egido (1987), identify and describe three stages of research collaboration: (1) the initiation stage, in which the collaboration partners get acquainted and establish a work agenda, (2) the execution phase, in which the actual research work is carried out, and (3) the public presentation, which serves the documentation and publication of research results.

III. OBJECTIVES OF THE STUDY

The major objective of this study is to assess the involvement of academic staff in academic research collaborations. However, the study specifically sought to:

1. find out the rate of lecturers’ involvement in academic research collaborations
2. ascertain the pattern of academic research collaborations engaged in by lecturers of Imo state university.
3. find out whether new methodologies are being used in the process of academic research collaborations
4. determine whether academic collaborations enhance productivity in study, communication skills amongst academics, cross fertilization of academic ideas and increase in academic opportunities.

IV. METHODS

This study uses a survey design method to inquire into the research experience of Academics (researchers) in Imo state University, Owerri, Nigeria. Participants were selected through purposive and random sampling techniques. A structured questionnaire comprising 10 items was used to gather information from the sample on their participation in academic research collaborations, type of collaboration taken, new methodologies adopted during the course of collaboration, the impact of such collaborations on work and academic productivity etc. The results are presented using pictorial bar graphs, pie charts and simple percentages.

V. RESULTS

Involvement in Academic Research Collaboration
There is a high rate of involvement in academic research collaboration on the part of academics. Most are have been involved in academic research collaborations.

**Involvement in academic research collaboration**

- YES: 27%
- NO: 73%

**Pattern of academic research collaborations**

This entails the kind of academic research collaboration which academics are involved in. Inter departmental/faculty/institutional academic research collaboration entails collaborations amongst academics in different departments, faculties or institution. Intra departmental/faculty/institutional academic research collaboration entails academic collaboration amongst academics in the same departments, faculties or institutions. However, 13% of the academics’ population have not been involved in academic research collaboration.

**Application of New methodologies in the study**

- No new Methodologies: 36%
- New methodologies: 64%

**NEW METHODOLOGIES ADOPTED**
64% of the academics who have been involved in academic research collaborations stated that involvement in academic research collaborations exposed them to the use of new methodologies in the studies being carried out while 36% did not use new methodologies in their studies.

Enhancement of Productivity in the Study, Enhancement of Communication skills amongst academics, Cross Fertilization of academic ideas and Increase in Academic opportunities

This results coincides with that of Delasalle (2014) who is of the view that research collaborations are always a welcome idea in any organization set out to yield positive returns and that a huge number of individuals especially in an academic setting, are involved in different types of research collaboration.

Also, the study shows that the dominant pattern of academic research collaborations is intra departmental/faculty/institutional. This finding is backed up by Amy, Eddy and Ozaki (2007), who reported a high level of research collaboration amongst academics of the same institution.

Finally, the study also revealed that academic research collaborations open rooms for the use of new methodologies, enhance productivity in study, enhance communication skills amongst academics and encourages cross fertilization of ideas across disciplines. These findings are largely supported by Bukvova (2010) who reported in his study on comparing various research processes that research collaboration is a valuable tool that not only accelerates the progress but also enhances the quality of and extends the repertoire of the individuals involved.

VI. DISCUSSION

The findings from the study reveal that a greater number of academics are involved in academic research collaborations. 71% of the academics involved in academic research collaboration agree to the fact that academic research collaboration enhanced productivity in the study while 21% believe otherwise.

67% acquiesce to the fact that academic research collaborations enhanced communication skills amongst academics while 33% have an opposite view on this.

On issue of cross fertilization of academic ideas, 75% of the academics who have been involved in academic research collaboration attest that it enhanced cross fertilization of academic ideas while 25% disagree.

Finally, a larger population of the academics attest that academic research collaborations have not made impact to the world in general and have not increased academic opportunities.

VII. CONCLUSION

This study surveyed the perceptions of academics in Imo State University Owerri, Nigeria. The results showed that while majority of the academics sampled have been involved in academic research collaborations and see it as a worthwhile endeavor, a fewer number have never been involved in academic research collaborations.

This study provides insight into benefits of academic research collaborations. The study also brings to light, the need to further propagate academic research collaborations as academics see it as a welcome idea. The study shows that a fewer percentage of the sampled population agreed that their previous academic research collaborations had impact on the world in general. Sequel to this, more impactful academic research collaborations ought to be embarked upon in order to increase the relevance of these collaborations in the world.

VIII. RECOMMENDATIONS

1. Academic research collaborations between different institutions, departments and faculties should be emphasized by academics to enhance cross fertilization of ideas in the world of education.

2. Academics should think out ways to carry out joint (collaborative) groundbreaking researches which would bring about an increase in academic opportunities.

REFERENCES


