

ENTREPRENEURSHIP EDUCATION AND EMPLOYMENT CREATION IN NNEWI, NIGERIA

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ABSTRACT

This study examined the impact of entrepreneurship education in fostering employment creation among youths in Nnewi, Nigeria, within the framework of the Human Capital Theory. Based on the idea that investing in human knowledge and skills boosts economic growth and productivity, the study used a descriptive survey design to gather pertinent empirical data. A sample size of 214 was established using Taro Yamane, and the population consisted of 460 people selected from all Nnewi entrepreneurial education centers. Both primary and secondary sources of data were used, and 206 of the 214 structured questionnaires that were distributed were properly filled out and returned. Chi-square (χ^2) tests were used to test the hypotheses, and mean scores were used to ascertain the central tendency of the responses. According to the findings, entrepreneurship education gives youths the critical knowledge, creative abilities, innovative business concepts, managerial skills, and strong sense of social responsibility that all play a major role in creating jobs. The findings highlight the necessity of ongoing funding for entrepreneurship education as a tactical instrument for lowering unemployment and fostering long term economic growth.

Keywords: Entrepreneurship, Education, Employment, Employment Creation, Unemployment, Government, Youths, Graduates

JEL Codes: I25, J21, J24, L26, O15

1. INTRODUCTION

Unemployment is a significant socioeconomic issue in Nigeria, particularly for young people. According to the Nigeria Labour Force Survey (NLFS) Q1 2024, the national unemployment rate was 5.3% in the first quarter of 2024 (National Bureau of Statistics, 2024). The rate then significantly improved by Q2 2024, falling to 4.3% (Nigeria Bureau of Statistics, 2024 as reported in Premium Times). This alarming trend highlights the pressing need for efficient measures to address unemployment, especially among youth. The goal of entrepreneurship education, which has grown in importance as the unemployment crisis deepens, is to equip individuals with the knowledge and abilities necessary to launch their own companies and generate employment. Entrepreneurship education encompasses a range of educational options that foster the development of entrepreneurial attitudes, actions, and competences. Its goal, according to Okieruovo et al. (2024), is to provide individuals the tools they need to see possibilities, take initiative, and be creative in order to start and manage successful enterprises.

After seeing the potential of entrepreneurship education to lower unemployment, the Nigerian government implemented a variety of programmes and efforts to promote entrepreneurial learning. The National Policy on Education, for instance, emphasises the inclusion of entrepreneurship education in tertiary institution curriculum in order to foster graduates' self reliance (Federal Republic of Nigeria, 2019). Despite these efforts, the effectiveness of entrepreneurship education in reducing unemployment is still being debated and studied. Nnewi provides a unique environment for examining the relationship between entrepreneurship education and employment creation. Nnewi, sometimes called the “Japan of Africa,” is a fascinating case study due to its robust industrial ecosystem, deeply ingrained entrepreneurial culture, and concentration of entrepreneurship education institutes. Because Nnewi is a thriving manufacturing and commercial hub, particularly in the areas of consumer goods, household manufacturing, and vehicle spare parts, it provides an enabling environment to assess how entrepreneurship education translates into workforce development and job creation (Nnewi City, 2025).

Empirical evidence that the town's cultural traits such as individualism, ingenuity, tenacity, and apprenticeship have a significant impact on management effectiveness and entrepreneurial performance further supports Nnewi's distinctiveness (Madichie et al. 2008). Particularly, apprenticeship programs are an unofficial way to teach entrepreneurship that supports both official and informal training. Nnewi clusters are further proof that localized, culturally integrated entrepreneurial training supports employment benefits by boosting business survival, expansion, and access to trade financing, according to research on the Igbo Entrepreneurship Model (Ekesiobi&Dimnwobi, 2020).Despite this economic vitality, the Anambra state continues to have significant unemployment rates, especially among recent graduates (Anyali et al. 2023).

Several studies have highlighted the role that entrepreneurial education plays in employment creation in Anambra State. For instance, Uju et al. (2022) investigated the ways in which entrepreneurship education assisted in lowering unemployment among economics graduates from Anambra State. Their research indicates that entrepreneurship education equips graduates with the practical skills such as sewing, cake decorating, soap manufacturing, and designing necessary to launch their own companies and reduce unemployment rates. In a similar vein, Ojukwu et al. (2024) examined the effects of entrepreneurial development initiatives on employment generation in Awka, Anambra State. The study found a substantial relationship between job creation, entrepreneurship education, and skill development, indicating that initiatives that support entrepreneurship contribute to employment creation. Nedum-Ogbede (2017) assessed how much the curriculum's emphasis on entrepreneurial education contributed to graduates of Anambra State University's decreased unemployment rate. The study found that the entrepreneurship education curriculum had a significant influence on graduates' ability to create employment chances for others as well as themselves.

Despite these encouraging outcomes, there are still problems with the way entrepreneurship education programmes are being implemented. The efficient implementation of entrepreneurship education in Anambra State's public higher education institutions is hindered by a number of issues, including inadequate financing, a lack of facilities, and a lack of teacher training (Obananya et al. 2023; Oyinlola et al. 2024). Furthermore, a number of factors influence how well entrepreneurship education fosters employment creation, including the availability of support services, government laws, and financing availability. According to Anyali et al. (2023), the availability of bank financing, creative skill development, and encouraging government policies all have a significant influence on young unemployment in Anambra State. Okwu et al. (2022) highlights the Connection between public education spending to human capital outcomes directly relevant to the Human Capital framing of entrepreneurship education and employment. Therefore, a thorough approach that considers

these elements is required to maximise the impact of entrepreneurship education on job development. Kemneti et al (2024), examined entrepreneurship as a driver of GDP per employed person and inclusive growth useful for linking entrepreneurship activity to employment and macro outcomes

This study aims to investigate the influence of entrepreneurship education on employment creation in Nnewi, Nigeria, considering the ongoing issue of unemployment in Nigeria and the capacity of entrepreneurship education to promote skill acquisition, creativity, and self employment. The study specifically intends to evaluate the degree to which entrepreneurship education equips youngsters with information, creative skills, business concepts, and managerial competencies that improve their employability and ability to create jobs. The subsequent sections of this work are organized as follows: The subsequent part delineates the literature review, succeeded by the methods employed for the investigation. This is followed by the presentation and analysis of findings, a discussion that contextualizes the results within the framework of previous scholarship, and ultimately, the conclusion and recommendations that underscore significant implications for policy and practice. The following hypotheses have been developed to guide this study:

H0: There is no significant relationship between entrepreneurship education and employment creation in Nnewi, Nigeria?

H1: There is a significant relationship between entrepreneurship education and employment creation in Nnewi, Nigeria?

2. LITERATURE REVIEW

Entrepreneurship Education in Nigeria

To reduce young unemployment, diversify graduation results, and promote innovation and small company growth, Nigeria has made entrepreneurship education (EE) a major governmental instrument rather than a curricular issue. In the mid - 2000s, Nigerian policymakers started directing tertiary institutions to include entrepreneurship in all of their programmes so that graduates could be exposed to venture creation knowledge and practical skills instead of training only for salaried employment (National Universities Commission, 2006). This policy shift reflected larger development objectives that saw entrepreneurship as a way to create jobs and promote economic resilience in a country with a large and growing young population.

A combination of information, attitudes, and practical skills, such as financial literacy, business planning, opportunity recognition, and entrepreneurial self efficacy, are emphasised in Nigerian programmatic and scholarly conceptions of entrepreneurship education (Hammoda, 2024). The literature distinguishes traditional entrepreneurship education from non formal techniques and informal learning (family business experience, mentorship).

Examples of extensive programmes and Nigerian policy demonstrate how Entrepreneurship Education has been operationalized outside of academic contexts. One of the most well known government led initiatives was the Youth Enterprise with Innovation in Nigeria (YouWiN!) business plan competition and grant programme, which was launched in 2011 to provide training, mentorship, and seed money to potential young entrepreneurs (YouWiN!, 2014). Evaluations and programme reports indicate that YouWiN! employed an integrated approach, comprising a competitive pre selection procedure, pre award training, and post award mentoring and monitoring, to assist participants in moving from concept to profitable business (YouWiN!, 2014). Evaluations also highlight challenges in expanding benefits across areas and sustaining company success after the grant period.

To enhance entrepreneurship education, governance and quality in post secondary institutions, the National Universities Commission and university administration have taken action. Enhancing the quality of entrepreneurship centres (EDCs), integrating entrepreneurship

across disciplines, and incorporating 21st century skills (digital literacy, problem solving) into entrepreneurship education curricula are the main goals of new NUC initiatives (NUC, 2023). These institutional adjustments represent a shift from viewing entrepreneurship as a solitary elective to viewing it as a trans-disciplinary catalyst that should be integrated into all subject areas and backed by measurable monitoring and evaluation methods.

Forms of Entrepreneurship Education in Nigeria

The following are the forms of entrepreneurship education in Nigeria;

Formal Entrepreneurship Education

Formal entrepreneurship education" refers to structured, curriculum-based training and teaching programs provided by accredited educational establishments such technical colleges, universities, and polytechnics. Its purpose is to give students the theoretical knowledge, practical skills, and entrepreneurial competences required for starting and running firms. It is guided by national education policies (Akinbola&Ogunnaike, 2021).

The required Entrepreneurship Development Studies (EDS) program implemented by the National Universities Commission (NUC) in 2007 is a prime example in Nigeria. Regardless of their field of study, all undergraduate students in Nigerian universities must enrol in entrepreneurship courses. For example, entrepreneurship education is a required course at University of Nigeria, Nsukka. It teaches students how to write business plans, be creative, and start small businesses.

Non Entrepreneurship Education

The term "non-formal entrepreneurship education" describes structured entrepreneurial training programs that take place outside of the official educational system. These programs are frequently offered through skill-acquisition centres, workshops, seminars, apprenticeships, and short-term courses. These programs, which target women, unemployed youngsters, craftsmen, and graduates looking for employable skills, are usually flexible, hands-on, and demand-driven. (Nwachukwu&Ogbonna, 2022; Adebayo &Olagbemi, 2021). Eg. The National Industrial Skills Development Program (NISDP) and the Industrial Training Fund (ITF): This national program for skill development is aimed at young people without jobs. ICT, welding, tailoring, electrical installation, and catering are among the trades in which participants receive training. To prepare participants for self-employment, the curriculum blends technical training with entrepreneurship modules (ITF, 2021).

Informal Entrepreneurship Education

Informal education refers to unstructured, experiential, and incidental acquisition of entrepreneurial knowledge and skills that occurs outside formal institutions and organized training programs. It is largely acquired through daily life experiences, family businesses, peer interactions, mentorship, cultural practices, and self-learning. Unlike formal and non-formal entrepreneurship education, the informal type is not curriculum-based, does not require enrollment in a structured program, and usually takes place in family settings, community markets, workshops, and peer networks (Ezenwafor&Okoli, 2020; Yusuf &Adeniran, 2021). Eg. Family businesses and apprenticeships in Igbo communities: The Igbo traditional apprenticeship system (Igbo-Boi) is a prominent form of informal entrepreneurship education in Nigeria. Young apprentices (mentees) learn directly by working with established business owners, acquiring practical skills in trade, negotiation, finance, and customer relations without formal classroom instruction (Okeke, 2021)

Blended and Experiential Methods

This is where students acquire real-world experience through practical projects, business start-up exercises, internships, and simulations. Instead of emphasizing passive learning, it emphasizes active engagement and introspection (Adebisi&Arogundade, 2021). Nigerian universities and polytechnics, for instance, expose students to authentic business settings

through the Students' Industrial Work Experience Scheme (SIWES). For example, NnamdiAzikiwe University (Awka) entrepreneurship students frequently participate in SIWES placements at small and medium-sized businesses (SMEs), where they receive firsthand experience in entrepreneurship by practicing marketing, financial management, and innovation (Adebisi&Arogundade, 2021).

2.1 Theoretical Literature

Human Capital Theory

Several theories elucidate the connection between entrepreneurial education and job creation. The Human Capital Theory asserts that investing in education and skills improves individual productivity and economic results (Becker, 1993). The notion posits that education in business acumen, inventiveness, and managerial skills empowers individuals to establish and maintain firms, thereby fostering job creation. This viewpoint corresponds with Schultz's (1961) claim that education converts individuals into more proficient agents of economic transformation by promoting creativity and self-sufficiency.

Schumpeter's Theory of Innovation

Moreover, Schumpeter's Theory of Innovation underscores the significance of entrepreneurs as innovators who offer novel goods, methods, or markets, resulting in employment creation and economic expansion (Schumpeter, 1934). This approach, when combined with entrepreneurship education, highlights how knowledge acquisition empowers individuals to innovate and effectively meet market demands.

McClelland's Need for success Theory

McClelland's Need for success Theory posits that persons with elevated success drive, typically cultivated through specialized training, are more inclined to engage in entrepreneurial activities and foster job creation (McClelland, 1961).

2.2 Empirical Literature

According to research, graduates who receive entrepreneurship education are more likely to launch their own companies. Studies show that when students are exposed to real world scenarios through mentoring programmes, internships, and incubators, they are more likely to transform their entrepreneurial dreams into profitable enterprises (Hammoda, 2024). By attracting workers from surrounding regions and encouraging supply chain activity, these initiatives contribute to job creation even at the micro and small business levels (Martínez-Gregorio et al. 2021). However, market accessibility, starting capital, and enabling regulatory environments often determine the level of success. Enuor (2023) examines finance (angel investment) and how it affects new venture performance directly relevant to the post training financing and growth conditions needed for employment creation. The study highlights the need for government policies that encourage entrepreneurial education and financial empowerment initiatives.

Many government led programmes, including the Youth Enterprise with Innovation in Nigeria (YouWiN!) project, have been established to support the outcomes of entrepreneurship education. Many of the prospective business owners who took part in the YouWiN! Initiatives were recent college graduates who were given mentoring, training, and competitive awards (YouWiN!, 2014). Evaluations of the programme revealed that in addition to providing self employment, participants were able to launch firms that boosted the local economy by creating jobs. Incorporating such activities into official entrepreneurship programmes enhances graduates' employment creating potential by reducing obstacles to entrance into the corporate sphere (Wong, 2022).

Despite these positive developments, barriers still prevent entrepreneurship education from reaching its full potential as a driver of employment creation. Lack of financing for

practical training, a lack of qualified teachers to offer entrepreneurship courses, and a lack of industry academia ties are just a few of the problems that many Nigerian schools are still facing. The National institutions Commission (2023) acknowledged that while many institutions have established centres for entrepreneurship development, many of them lack the infrastructure, technology, and relationships required to offer hands-on entrepreneurial training. These limitations hinder the translation of theoretical knowledge into tangible commercial consequences. Abah&Abah (2023)further Explores ecosystem building infrastructure, training, culture that supports entrepreneurship and job creation.Additionally,Lekan-Akomolafe (2021)argued that socio-economic determinants of MSME performance informs how entrepreneurship education inputs must align with local constraints to translate into employment.

3. METHODOLOGY

3.1 Theoretical Framework

This study is anchored on Human Capital Development which was popularised by Schultz in 1961 and Becker in 1964. Entrepreneurship education in Nigeria serves as a strategic investment in human capital by equipping students with the aptitudes, inventiveness, and managerial skills necessary for self employment and business formation. Through the development of problem solving abilities, inventiveness, and risk taking attitudes, entrepreneurship education increases graduates' employability, reduces dependency on paid labour, and fosters job creation. This bolsters the theory's central thesis, according to which rising human potential drives both the expansion of individual wealth and the advancement of the economy as a whole (Schultz, 1961).

3.2 Model Specification

The research design used in this study was a descriptive survey. This is because it seeks to collect data directly from respondents in order to describe existing conditions, opinions, and perceptions regarding entrepreneurship education and employment generation. The population of this study is 460 which cover all the entrepreneurship education centres in Nnewi, Anambra state. The study employed random sampling technique in selecting respondents.The sample size is two hundred and fourteen (214).This method ensured that the sample was statistically adequate to reflect the views of the entire population, thereby improving the reliability and validity of the findings. This research adopted the use of both primary and secondary data. A total of two hundred and fourteen (214) questionnaires were distributed, two hundred and six (206) was filled and returned. The primary instrument for data collection in this study was a structured questionnaire developed by the researcher based on the study's objectives and research questions. The questionnaire was designed to capture respondents' perceptions, knowledge, and experiences concerning entrepreneurship education and employment creation in Nnewi. The questionnaire underwent a content and face validity check. Draft copies were submitted to two experts in entrepreneurship studies and educational measurement and evaluation. To establish reliability, the instrument was subjected to a pilot test using 30 respondents from entrepreneurship education centres outside the study population. The responses were analyzed using Cronbach's Alpha to measure internal consistency of the items. They reviewed the items for clarity, relevance, and alignment with the study's objectives

In analyzing the data collected from the field survey and to test the formulated hypotheses for the study, mean and chi-square (χ^2), statistical tool was used; the chi-square formula is stated thus:

$$\chi^2 = \frac{\varepsilon(0 - e)^2}{e}$$

The above frequencies are the responses from the structured questionnaires administered to respondents, which were presented on the contingency table. The level of significance used was 5%.

The degree of freedom is calculated as:

$$df \rightarrow = (k - 1) \text{degree of freedom}$$

Where $df \rightarrow$ _____

K number of rows or column

The chi-square test was used to determine the association between variables identified in the study. This was useful in explaining the relationship between the dependent and independent variables.

4. RESULTS AND DISCUSSION OF FINDINGS

Table 1: Summary of Respondent Responses and Mean Scores

S/N	Items	SA	A	SD	D	UD	No of subject	Total score	Mean score	Decision
		5	4	3	2	1	N	FX	\bar{x}	
1	There is a significant relationship between entrepreneurship education and employment creation in Nnewi, Nigeria.	148	31	16	11	0	206	902	4.38	Accepted
2	Entrepreneurship education equips young people with the essential knowledge and skills, enabling them to create employment opportunities.	162	24	13	6	1	206	934	4.53	Accepted
3	Entrepreneurship education equips youths with innovative business ideas that foster employment creation.	133	57	8	7	1	206	918	4.46	Accepted
4	Entrepreneurship education equips youths with management skills to create employment.	139	38	20	9	0	206	885	4.29	Accepted
5	Entrepreneurship education helps youths recognize the value of social responsibility in promoting employment creation.	155	41	7	2	1	206	953	4.63	Accepted

Source: Fieldwork, 2025

Table 1 show that, 148 respondents strongly agreed there is a significant relationship between entrepreneurship education and employment creation in Nnewi, Nigeria. 31 respondents agreed with the statement, 11 respondents disagreed with the statement and another 16 respondents strongly disagreed with the statement.

162 respondents strongly agreed that entrepreneurship education equips young people with the essential knowledge and skills, enabling them to create employment opportunities; 24 respondents agreed with the statement, 1 respondent was undecided, 6 respondents disagreed with the statement while 13 respondents strongly disagreed with statement.

133 respondents strongly agreed that entrepreneurship education equips youths with innovative business ideas that foster employment creation, 57 respondents agreed with the statement, 1 respondent was undecided, 7 respondents disagreed while 8 respondents strongly disagreed with the statement.

139 respondents strongly agreed that entrepreneurship education equips youths with management skills to create employment, 38 respondents agreed with the statement, 9 respondents disagreed, while another 20 respondents strongly disagreed with the statement.

155 respondents strongly agreed that entrepreneurship education helps youths recognize the value of social responsibility in promoting employment creation; 41 respondents agreed with the statement, 1 respondent was undecided; another 2 respondents disagreed while 7 of the respondents strongly disagreed with the statement.

Table 2: Testing of Hypotheses

Observed freq.(fo)	Expected freq.(fe)	Fo-fe	(fo-fe) ²	(fo-fe) ² /fe
148	41.2	106.8	11406.24	276.37
31	41.2	-10.2	104.04	2.53
16	41.2	-25.2	635.04	15.42
11	41.2	-30.2	912.04	22.14
0	41.2	-41.2	1697.44	41.20
206				357.66

Source: Authors' Computation

Calculated (χ^2) = **357.66**

Degree of freedom "d.o.f" = $n - 1$

Where n = number of rows

Therefore, $d.o.f = 5 - 1 = 4$

From the **Chi-square distribution table**:

df = 4, $\alpha = 0.05 \rightarrow$ critical $\chi^2 = 9.488$

Decision: Since **357.66 > 9.488**, the difference between observed and expected frequencies is **highly statistically significant** at the 5% level. We accept the alternative hypothesis which says that there is a significant relationship between entrepreneurship education and employment creation in Nnewi, Nigeria.

Discussion

The findings that entrepreneurship education (EE) equips young people with the skills necessary to launch small businesses is in line with both theoretical and empirical research that demonstrates how focused Entrepreneurship Education enhances planning abilities, business knowledge, and opportunity recognition. Meta analytic reviews find positive average effects of Entrepreneurship Education on entrepreneurial knowledge and skill formation (Bae et al. 2014; Adelowo et al. 2025), and studies conducted in Nigeria show that both formal and non formal EE increase graduates' readiness to start micro and small ventures (Okolie et al. 2019; Eze et al. 2024). As a result, your knowledge for start-up outcome aligns with both domestic and global data. However, cross study comparisons also demonstrate that, in the absence of supplementary supports (financing, mentorship, and market access), knowledge gains do not necessarily result in the establishment of long lasting firms (Zhang et al. 2022; Nabi et al., 2017).

According to studies on experiential learning, pedagogies that emphasize projects, problem solving, and incubation increase creative self efficacy and opportunity generation. This conclusion is consistent with the idea that EE fosters creative skills and a culture of belonging (Fayolle&Gailly, 2015). According to Nigerian case studies, trainees who practice EE are more innovative (Adeyanjo et al. 2022; Hammada, 2024). In summary, the results are pedagogically consistent. The research demonstrating EE's beneficial impact on entrepreneurial

intention and opportunity awareness supports the claim that EE generates business ideas for job creation (Carpenter et al. 2023; Nabi et al., 2017). The assertion that EE can foster employment oriented ideas is supported by reports of idea development and early enterprise launches among beneficiaries of several Nigerian programs, such as YouWiN! (Hammoda, 2024).

Evidence that management training lowers early firm mortality and improves operational performance when paired with mentoring and incubation supports the idea that entrepreneurship education improves management skills, such as planning, financial control, and leadership, and thus supports enterprise sustainability (Okolie et al., 2019). Programs that specifically educate managerial competencies have a greater influence on venture survival than those that only concentrate on inspiration or intention, according to international assessments (Nabi et al., 2017). The findings, particularly with regard to proximal outcomes (knowledge, creativity, intentions, and managerial skill), are generally in line with the preeminent empirical literature.

5. CONCLUSION AND POLICY RECOMMENDATION

This study has shown that teaching people how to be entrepreneurs is a great way to fight unemployment and help Nigeria's economy thrive in a way that lasts. The results show that this kind of education gives young people the skills they need to start small businesses, encourages creativity and a sense of belonging, helps them come up with new company ideas, and teaches them how to manage businesses so they can keep going. Also, entrepreneurship education teaches young people to be socially responsible, which help them make jobs that are good for both people and communities. Anchored on the ideas of Human Capital Theory, the results show that investing in entrepreneurship education makes the youth workforce more capable, helps them adjust to a competitive economy, and has a big impact on job creation. In a situation when traditional employment markets are full and the economy is unstable, entrepreneurship education becomes not only an academic field but also a strategic national objective for long-term growth.

Policy Recommendations

Based on the findings, the study makes the following recommendations;

1. **Enhancement of Curriculum and Practical Focus:** The entrepreneurship education curricula in Nigeria should be enhanced to incorporate more practical, experiential training, including business incubation, simulations, and mentorship programs. This would assist teenagers in acquiring theoretical information as well as cultivating practical skills for establishing and maintaining small firms.
2. **Support from Government and Institutions for Start-ups:** Federal and state governments, in conjunction with educational institutions, should provide accessible funding mechanisms, incubation centers, and enterprise hubs that offer start-up finance, training, and advisory services for graduates of entrepreneurship education programs.
3. **Ongoing Assessment and Evaluation of Entrepreneurship Initiatives:** Policymakers and educational stakeholders should implement systematic monitoring and evaluation frameworks to assess the efficacy of entrepreneurship education. These evaluations will guarantee ongoing enhancement, pertinence to labor market requirements, and conformity with national employment creation objectives.

REFERENCES

- Abah, P. O., & Abah, O. E. (2023). Entrepreneurial ecosystem in North Central Nigeria: A strategy for sustainable development. *Journal of Economics and Allied Research*, 8(2), 31–48.
- Adebayo, A. M., & Olagbemi, A. A. (2021). Non-formal entrepreneurship education and youth self-reliance in Nigeria: Implications for sustainable development. *International Journal of Entrepreneurship and Small Business*, 43(2), 167–182. <https://doi.org/10.1504/IJESB.2021.115403>
- Adelowo, C. M., Ajagbe, M. A., & Oti, J. O. (2025). Sustainability and determinants of entrepreneurship among Nigerian graduates. *SAGE Open*, 15(1), 1–17. <https://doi.org/10.1177/21582440251314574>
- Adeyanju, D. F., Haruna, U., & Abdullahi, A. M. (2023). Does entrepreneurship improve the livelihood of young people? Evidence from National Directorate of Employment's job creation scheme in Kano, Nigeria. *Cogent Business & Management*, 10(1), 2234636. <https://doi.org/10.1080/23311975.2023.2234636>
- Akinbola, O. A., & Ogunnaike, O. O. (2021). Entrepreneurship education and youth employability in Nigeria: A review of policy and practice. *Journal of Entrepreneurship Education*, 24(3), 1–12.
- Anyali, T. C., Ngige, C. D., & Williams, G. (2023). Entrepreneurship development and youth unemployment in Anambra State, Nigeria. *Journal of Emerging Trends in Management Sciences and Entrepreneurship*, 5(1), 53–69. Retrieved from <https://www.jetmase.com/index.php/jetmase/article/view/71jetmase.com>
- Bae, T. J., Qian, S., Miao, C., & Fiet, J. O. (2014). The relationship between entrepreneurship education and entrepreneurial intentions: A meta-analytic review. *Entrepreneurship Theory and Practice*, 38(2), 217–254.
- Becker, G. S. (1993). *Human capital: A theoretical and empirical analysis with special reference to education* (3rd ed.). University of Chicago Press.
- Carpenter, A., Wilson, R., & Ahmad, I. (2022). A systematic review looking at the effect of entrepreneurship education in higher education. *The International Journal of Management Education*, 20(3), 100687. <https://doi.org/10.1016/j.ijme.2021.100687>
- Ekesiobi, C., & Dimnwobi, S. K. (2020). Economic assessment of the Igbo entrepreneurship model for entrepreneurial development in Nigeria: Evidence from clusters in Anambra State. *EXCAS Working Paper*, WP/20/085.
- Enuoh, R. O., Pepple, G. J., Ottoh, E. O., & Makama, L. L. (2023). Angel investing and entrepreneurial performance in Nigeria. *Journal of Economics and Allied Research*, 8(2), 159–169.
- Eze, E. C., Ugwuanyi, C. S., & Okoli, J. U. (2024). Built-environment craftsmanship in higher education institutions: Implications for entrepreneurship education in Nigeria. *Education + Training*, 66(7/8), 967–986. <https://doi.org/10.1108/ET-03-2022-0086>
- Ezenwafor, J. I., & Okoli, B. E. (2020). Informal entrepreneurship education and youth empowerment in Nigeria. *International Journal of Vocational and Technical Education*, 12(1), 15–23.
- Fayolle, A., & Gailly, B. (2015). The impact of entrepreneurship education on entrepreneurial attitudes and intention: Hysteresis and persistence. *Journal of Small Business Management*, 53(1), 75–93.
- Federal Republic of Nigeria. (2019). *National Policy on Education* (6th ed.). Lagos: NERDC Press.
- Hammoda, K. (2024). The role of entrepreneurship education in fostering youth self-employment in Nigeria. *Journal of Entrepreneurship and Development Studies*, 12(2), 45–59.

- Industrial Training Fund. (2021). *National Industrial Skills Development Programme (NISDP) annual report*. Abuja: ITF.
- Kemneti, K. O., Aworinde, O. B., & Ajibola, O. (2024). Economic globalization, entrepreneurship and inclusive growth in African oil exporting countries. *Journal of Economics and Allied Research*, 8(4), 220–238.
- Lekan-Akomolafe, C. N. (2021). Socio-economic factors and performance of micro, small and medium enterprises (MSMEs) in Nigeria. *Journal of Economics and Allied Research*, 6(3), 41 – 50.
- Madichie, N. O., Nkamnebe, A. D., & Idemobi, E. I. (2008). Cultural determinants of entrepreneurial emergence in a typical Sub-Sahara African context. *Journal of Enterprising Communities: People and Places in the Global Economy*, 2(4), 285–299.
- Martínez-Gregorio, S., Badenes-Ribera, L., & Oliver, A. (2021). Entrepreneurship education in higher education: A meta-analysis. *The International Journal of Management Education*, 19(3), 100545. <https://doi.org/10.1016/j.ijme.2021.100545>
- McClelland, D. C. (1961). *The achieving society*. Princeton, NJ: Van Nostrand.
- Nabi, G., Liñán, F., Fayolle, A., Krueger, N., & Walmsley, A. (2017). The impact of entrepreneurship education in higher education: A systematic review and research agenda. *Academy of Management Learning & Education*, 16(2), 277–299.
- National Bureau of Statistics. (2024). *Nigeria Labour Force Survey (NLFS), Q1 2024: Highlights*. Abuja, Nigeria: Author.
- National Universities Commission. (2006). *National Universities Commission curriculum for entrepreneurship education*. Abuja, Nigeria
- National Universities Commission. (2023). *NUC policy brief on entrepreneurship development centres*. Abuja, Nigeria
- Nedum-Ogbede, P. O. (2017). Implementation of entrepreneurship education curriculum content towards unemployment reduction among universities graduates in Anambra State. *Nigerian Journal of Business Education*, 4(1). Retrieved from <https://www.nigjbed.com.ng/index.php/nigjbed/article/view/106> Nigerian Journal of Business Education
- Nnewi City. (2025). Nnewi: Where innovation meets industry – the economic powerhouse. Retrieved from <https://nnewicity.com/nnewi-where-innovation-meets-industry/>
- Nwachukwu, C. C., & Ogbonna, I. G. (2022). Non-formal entrepreneurship education and job creation in Nigeria: Challenges and prospects. *Journal of Entrepreneurship Education*, 25(4), 1-13.
- Obananya, C. G., Anah, S. A., & Okeke, C. O. (2023). Entrepreneurship education and human capital development of students in public institutions of higher learning in Anambra State, Nigeria. *Open Access Journal of Business and Entrepreneurship*, 1(2), 32–48. Retrieved from <https://www.openjournals.ijaar.org/index.php/oajbe/article/view/263> openjournals.ijaar.org
- Ojukwu, H., Nwankwo, C. N., & Okpara, E. O. (2024). Entrepreneurship development programme and job creation in Awka, Anambra State Nigeria. *International Journal of Entrepreneurship and Business Management*, 3(2), 112–119. <https://doi.org/10.54099/ijebm.v3i2.875>
- Okeke, C. N. (2021). Igbo apprenticeship system as a model of informal entrepreneurship education in Nigeria. *Journal of African Business*, 22(3), 361–377. <https://doi.org/10.1080/15228916.2020.1838369>
- Okieruovo, L. E., Iyekekpolor, A. E., & Ehijiele, E. (2024). Entrepreneurship education: A panacea to youth unemployment in Nigeria. *BW Academic Journal*. Retrieved from <https://bwjournal.org/index.php/bsjournal/article/view/2427> bwjournal.org+1

- Okolie, U. C., Igwe, P. A., & Elom, E. N. (2019). Improving graduate employability: The role of entrepreneurship education. *Education + Training*, 61(7/8), 874–890. <https://doi.org/10.1108/ET-03-2018-0060>
- Okwu, A. T., Nissi, M., Owolabi, T. J., & Adejola, D. K. (2022). Government education expenditure and human capital development in Nigeria: An empirical investigation. *Journal of Economics and Allied Research*, 7(2), 206–222.
- Oyinlola, M., Okesola, O. J., & Akingbade, F. K. (2024). Entrepreneurship and innovation in Nigerian universities. *Heliyon*, 10(3), e26337. <https://doi.org/10.1016/j.heliyon.2024.e26337>
- Premium Times. (2024, November 25). *Nigeria's unemployment rate drops to 4.3% in Q2 2024 – NBS*. Retrieved from [premiumtimesng.com]
- Schultz, T. W. (1961). Investment in human capital. *The American Economic Review*, 51(1), 1–17.
- Schumpeter, J. A. (1934). *The theory of economic development: An inquiry into profits, capital, credit, interest, and the business cycle*. Harvard University Press.
- Suleiman, Y., Ishola, M. A., Lawal, A. T., & Laro, Y. (2024). Systematic literature review on entrepreneurship and direction for future research in Nigeria. *Journal of African Business Research*, 8(4), 201–220.
- Uju, U., Ogbaji, N. M., Nwanne, E. I., & Obionu, U. A. (2022). Entrepreneurship education and unemployment reduction in Anambra State, Nigeria. *International Journal of Research*, 9(6), 45–53. Retrieved from <https://ijrjournal.com/index.php/ijr/article/view/521>
- Wong, H. Y. H., Ho, R. G., & Low, M. P. (2022). A systematic review on learning outcomes in entrepreneurship education. *Assessment & Evaluation in Higher Education*, 47(5), 735–753. <https://doi.org/10.1080/02602938.2021.2021583>
- YouWiN! Secretariat. (2014). *Youth Enterprise with Innovation in Nigeria: Programme design and implementation report*. Abuja, Nigeria: Federal Ministry of Finance.
- Yusuf, T. O., & Adeniran, O. S. (2021). Informal learning and entrepreneurial skill development among Nigerian youths. *Journal of Entrepreneurship Education*, 24(5), 1–12.
- Zhang, W., Zhang, Y., & Liu, H. (2022). Relationship between entrepreneurship education and entrepreneurial intention of college students: A meta-analysis. *Frontiers in Psychology*, 13, 900582. <https://doi.org/10.3389/fpsyg.2022.900582>

Statements and Declarations

The research work has not been submitted elsewhere for publication or has not being published elsewhere in any form. The research work is original work of the authors and that any part of the work lifted from other works were properly and adequately acknowledged.

Funding: The author declare that no funds, grants or other support were received during the preparation of the manuscript.

Competing Interests: The authors has no relevant financial or non financial interest to disclose.

Data Availability: The data sets generated during and/or analysed during the current study are available from the author on reasonable request.

Acknowledgement: Not Applicable

Ethics Approval: Not Applicable