



EKITI STATE UNIVERSITY

TVET-IJORAD

Vol. 9, No. 1, July, 2026

International Journal

of

**Research and Design in Technical,
Vocational Education and Training**



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**Research and Design in Technical,
Vocational Education and Training**

**INTERNATIONAL JOURNAL OF RESEARCH
AND DESIGN IN TECHNICAL, VOCATIONAL
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2026 SPECIAL EDITION IN HONOUR OF

PROFESSOR FAMIWOLE, OYEBODE REMIGIUS,

(MNIM, FRAN, MTVETS, Phi Kappa-Phi)

N.C.E (Ondo State) B.Sc (Hons) (Nsukka), M.Sc. (Carbondale, USA), Ph.D (Nsukka)

And

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**DEPARTMENT OF VOCATIONAL AND TECHNICAL EDUCATION
FACULTY OF EDUCATION
EKITI STATE UNIVERSITY, ADO-EKITI**

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Mission

TVET International Journal of Research and Design (TVET IJORAD) is an annual international, peer reviewed and open access Journal aimed at promoting original scholarly research, designs, innovations, creativity and information on various aspects of Technical, Vocational Education and Training.

Original Research and Designs in Agricultural Education, Business Education, Home Economics, Creative Arts, Technical Education i.e. (Woodwork, Building, Mechanical Automobile, Electrical/Electronics), Educational Technology, Library, Music, Information Science and other related disciplines.

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2. The Abstract must not be more than 250 italicised words with focus on the Purpose, Methodology, Findings, and Recommendations; and a maximum of six key words.
3. Manuscript should not be more than 14 pages on A4 size paper, double line spacing with Microsoft Words, Times New Roman, 12 fonts.
4. Author(s) name(s) must be written on the first page in full, showing designation, affiliation and contact such as: e-mail address and GSM Number.
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6. The 6th Edition of APA referencing must be followed. Visit www.apastyle.org for APA Style.
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EDITORIAL COMMENT

Technical and Vocational Education and Training (TVET) continues to occupy a strategic position in the pursuit of sustainable national development, technological advancement, and workforce preparation. As societies become increasingly driven by innovation, digital transformation, and rapidly changing labour market demands, there is an urgent need for educational research that not only advances knowledge but also provides practical solutions to contemporary challenges in teaching, learning, skills acquisition, and human capital development. It is through rigorous and evidence-based research that TVET can remain responsive to emerging trends and contribute meaningfully to socioeconomic transformation.

This special edition of the *International Journal of Research and Design in Technical, Vocational Education and Training (TVET IJORAD)* reflects this commitment by presenting scholarly works that address current issues across the diverse fields of Vocational and Technical Education. A total of **twenty-one (21)** manuscripts were received, subjected to a rigorous double-blind peer-review process, and accepted based on their originality, methodological soundness, scholarly contribution, and relevance to contemporary educational practice. The published articles cover a broad spectrum of disciplines, including Agricultural Education, Business Education, Educational Technology, Technical Education, Library and Information Science, and other related areas of Vocational and Technical Education. Collectively, they offer innovative perspectives, empirical evidence, and practical recommendations capable of informing policy, improving instructional practices, and strengthening professional competence.

The studies presented in this volume explore several contemporary issues, including digital transformation in education, technology-enhanced teaching and learning, competency development, entrepreneurship education, sustainable agricultural practices, information management, instructional innovation, and workforce readiness. These contributions underscore the increasing importance of interdisciplinary research in addressing the complex educational and societal challenges of the twenty-first century. They also reaffirm the role of TVET as a catalyst for innovation, productivity, employment generation, and national development in line with the United Nation, Sustainable Development Goal.

This edition is particularly significant as it is dedicated to celebrating the distinguished careers and invaluable contributions of **two highly respected senior colleagues** whose years of dedicated service have greatly advanced the growth of the Department of Vocational and Technical Education, the Faculty of Education, Ekiti State University, and the broader academic community. Their exemplary scholarship, professional mentorship, administrative leadership, and unwavering commitment to academic excellence have inspired generations of students and scholars. It is our sincere hope that this special edition serves as a fitting tribute to their enduring legacy and outstanding contributions to the development of Vocational and Technical Education in Nigeria.

On behalf of the Editorial Board, I express profound appreciation to all authors whose quality contributions made this edition possible, the reviewers for their painstaking and constructive evaluation, and members of the editorial team for their dedication throughout the publication process. Their collective efforts have ensured the continued quality, credibility, and scholarly integrity of the journal.

We expect that the articles published in this special edition will stimulate further research, enrich classroom practice, inform educational policy, and contribute significantly to the advancement of Technical and Vocational Education and Training. I therefore commend this edition of *TVET IJORAD* to researchers, teacher-educators, policymakers, practitioners, postgraduate students, and all stakeholders committed to promoting innovation and excellence in Vocational and Technical Education.

Professor I. P. Ogundola

Editor-in-Chief

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FAMIWOLE, Oyeboade Remigius is a professor of Vocational Agricultural Education. He was a member of University Senate (2014-2025). He is also an Alumnus of Notre Dame Grammar School, (Usi Ekiti 1969-1973). He graduated in B.Sc (Ed) Agricultural Education from the prestigious University of Nigeria, Nsukka in 1983, with a grade of Second Class Upper Division. He completed his Master of Science (M.Sc) in Agricultural Education and Mechanization from the Southern Illinois University at Carbondale, USA in 1990, with distinctions. He won the distinguished Phi-Kappa-Phi Honors Award of the University in 1990. He completed his academic exploration with Ph.D. at the University of Nigeria, Nsukka in 1997.

Research work and position are focused on:

Vocational and Technical Education Agricultural Education and Training; Performance based assessment techniques in Technical; Vocational Education and Training (TVET); Work linked education; Skill development programmes in agriculture; Agricultural Education and programme training; Youth development programmes in agriculture; Enterprise culture development; Supervise agricultural experience programmes; In-school youth organization in agriculture in schools and colleges, and Digital skill acquisition for Agricultural Education programmes

He served in various capacities in some reputable institutions namely: College of Education, Ikere-Ekiti and the University of Education, Ikere-Ekiti (TUNEDIK). He joined Ekiti State University, Ado-Ekiti when the two other state-owned Universities. The University of Education, Ikere-Ekiti and University of Science and Technology, Ifaki-Ekiti were seamlessly merged with Ekiti State University, Ado-Ekiti.

At the College of Education, Ikere-Ekiti, Prof. R.O. Famiwole, (then Dr. R.O. Famiwole) was the Dean, School of Vocational and Technical Education between August, 2003 and July, 2005 and a two-term member of the Governing Council of Ekiti State College of Education, Ikere-Ekiti, now Bamidele Olumilua University of Education, Science and Technology, (BOUESTI).

He acted as Provost of the College in August, 2004. He also represented the Provost at many occasions even outside the state; for example, the 4th Regular Meeting of the Committee of Provosts of Colleges of Education at the Federal College of Education, Potiskum, Yobe State in December, 2006. He started participating in the Accreditation of Agricultural Education Programmes in Colleges of Education and Universities since 2002 to date.

He was once an Acting Dean, Faculty of Science, Technical Education and ICT. He was a member of Management at the defunct University of Education, Ikere-Ekiti (TUNEDIK). Prof. Famiwole was a member of sixteen (16) committees of EKSU

Governing Council on integration of UNAD, USTI, TUNDIK staff, students and academic programmes.

A member of the EKSU Post Graduate Board between August, 2014 and 2016. He was a Chairman of the Faculty of Education Teaching Practice Committee that established a functional Micro Teaching Laboratory. He was also the Deputy Director, EKSU Entrepreneurship Centre (2014-2016). He was the Pioneer Chairman, EKSU Work Study Initiatives from February, 2016-2018, and Ag. Dean, Faculty of Education, Ekiti State University, Ado-Ekiti between 2020 and 2021. He was also the Director, Directorate of General Studies, (Feb. 2023 to July, 2024); and Head/Co-ordinator, Centre for Foundation Programme, (August 2024-July 2025) without any blemish before he proceeded on his mandatory retirement on 19th July 2025.

Prof. Famiwole is a teacher and researcher per excellence with a novel and innovative approach to teaching and research. The meticulous manner in which he prepares and delivers his lectures with extraordinary teaching abilities is always commended by his students. He has authored and co-authored text books, and has published extensively in national and international journals. He is an External Examiner in many universities in Nigeria and Eswatini.

In view of his outstanding contributions in his field, he has enjoyed both national and international scholarship awards such as: Federal Ministry of Education, Technical Teachers Training Programme (TTTP) for his first degree at UNN 1981-1983 and Masters degree at Southern Illinois University, Carbondale, USA (1988-1990); Federal Ministry of Education Technical Teachers' Training Programme (TTTP/USAID) for his Ph.D. Degree at University of Nigeria Nsukka, (1995-1997). He also received Merit Award and Letters of Commendations from the Management, College of Education and from the Director, Directorate of Continuous Education Programme (DICEP), Ekiti State University, Ado-Ekiti.

Prof. Famiwole was the President, Alumni Association of the College of Education and Bamidele Olumilua University of Education, Science and Technology (BOUESTI) Ikere Ekiti between 2017 and 2023 he is a member of the National Institute of Management (Chartered) and many Professional Association in Vocational Education and Agricultural Education. He is a humble, gentle, highly intelligent, reliable with very unassuming personality. He is a Christian and Catholic to the core. He is an ICON of Peace, an erudite scholar and an academician of high repute. He is a role model with habitually compulsive passion for creativity and innovation. He is a loving father and a caring husband of Mrs. Omolola Famiwole, a virtuous woman of awesome personality.

Prof. Remigius Oyebo Famiwole proceeded on his mandatory retirement from the service of Ekiti State University, Ado-Ekiti and the Department of Vocational and Technical Education on 19th July, 2025.

Thanks be to Almighty God.

AMORAN Olugbenga Bayode was born on 6th November, 1959 in Imila Quarters Odo Ayedun Ekiti to the family of Pa Gabriel Ayodele Amoran and Mrs Rachael Omolu Amoran both of blessed memory

Education

Dr Amoran Olugbenga Bayode had his academic progressions as follows:

St Mark's Anglican Primary School Imila, Odo Ayedun Ekiti from 1966-1971. Methodist Secondary Modern School Ayedun Ekiti from January 1972-June, 1974. Christ Apostolic Church Teachers' College, Efon Alaaye Ekiti from 1976-1979. Grade II Teacher at St Peter's Primary School, Obun kekere, Ondo, Ondo State from August, 1979 to September, 1981.

He attended the University of Benin from 1981 to 1985 and obtained the B.Ed (Fine Art) degree (Second Class Lower Division). He attended the nation's premier tertiary institution; the University of Ibadan in 1999 and obtained M.Ed (Educational Technology). He later obtained his PhD (Educational Technology) from the university (University of Ibadan) in 2021

Public Service

He had his National Service (NYSC) in Federal Government College Ilorin Kwara State in 1986. He was appointed as Education Officer VIII in the Federal Ministry of Education in 1987. He got posted to the following stations:

Federal Government College Sokoto, Sokoto State 1987-1993

Federal Government College Odogbolu, Ogun State 1993-2001

King's College, Lagos, Lagos State 2001-2007 and rose to the position of Assistant Chief Education Officer (ACEO) Level 14, awaiting promotion to the rank of Assistant Director of Education (ADE) Level 15 before joining the University of Ado Ekiti academic community.

Academic Teaching

On the advice of his friend and classmate Dr Omojola Awosusi (Former Registrar EKSU), he sought employment with University of Ado Ekiti (Now EKSU) as Assistant Lecturer in 2007. He got promoted to Lecturer II in 2010, Lecturer I in 2014 and Senior Lecturer in 2021.

Marriage

Dr Amoran Olugbenga Bayode got married to his heartthrob Olufunmilayo Adeponmile on 19th September, 1992. They are blessed with lovely and godly children.

Services within the University

(1) Course Adviser 2008 to 2024

- (2) Member, Faculty of Education Committee on Environment, 2009 to 2011
- (3) Resource Person at the Orientation Programme for Freshers in Faculty of Education 2009/2010 Session.
- (4) Resource Person at the Orientation Programme for Freshers in Faculty of Education 2010/2011.
- (5) Member, Faculty of Education Committee on Plant Maintenance, 2012/ 2013 to date
- (6) Member, ASUU monitoring Committee, August, 2014
- (7) Member, Ekiti State University Sub-Committee on ICT. 2015
- (8) Manager/Resource person in charge of Faculty of Education Micro-Teaching Laboratory 2023 to 2024
- (9) Member, ICT Committee on Faculty of Education National Conference on The Role of Education in Tackling Global Economic Recession (11th -14th July, 2017)
- (10) Member, ASUU Election Committee, August, 2018
- (11) Member, Teaching Practice Committee 2021 to 2024
- (12) Member, Accommodation Committee 2018 to 2024
- (13) Member, Editorial Board Departmental Journal and books

Service outside the University:

- (i) Deacon, Ibukun Oluwa Baptist Church Aga, Ikorodu Lagos State 2007-2008
- (ii) Deacon, Oore Ofe Baptist Church, Opopogbooro Ado, Ekiti 2008 to date
- (iii) Music Director, Oore Ofe Baptist Church, Opopogbooro Ado, Ekiti
- (iv) Resource Person, Ayedun Leadership Forum, July, 2008
- (v) Book Review, (My Pet and Things I know by Gbenga Adeniyi) June, 2009
- (vi) Resource Person, Baptist Students Fellowship UNAD July, 2011.
- (vii) Facilitator Federal Government Universal Basic Education Workshop for Serving Teachers. 2010
- (viii) MMU Representative for Ekiti Conference at The Nigerian Baptist Convention EC. 2014-2016
- (ix) Sunday School Director, Agape Baptist Association, Ekiti State Conference 2018 to 2024
- (x) General Secretary, CACTTC Efon Alaaye 1976-1979 set 2020 to 2023