

Research Agenda 2022 to 2027

1.0 Introduction

Ndejje University (NDU) was established in 1992 as the Christian University of East Africa and owned by the Anglican Diocese of Luweero. It was the first privately owned University in Uganda. In 1995 it assumed its current name and status but was licensed in 1998 as an institution of higher learning under the ownership of the Anglican Diocese of Luweero in the Central Region of Uganda. In 2002 the ownership was expanded to include all Anglican dioceses in the Central Buganda Region. The purpose of the creation of Ndejje University was to restore normalcy and healing after years of war and misrule, and to create development. The University was granted a Charter on 6 August 2009.

1.1 Philosophy, Belief and Practical Life of Ndejje University

Ndejje University was founded on the Christian principles that govern the Church of Uganda and the Universal Anglican Community as a whole. As a Christian-based institution with an Anglican tradition, it is characterized by its affirmation and belief in the Apostles' Creed. The University professes one Eternal God in the Trinity of God the Father, the Son and the Holy Spirit, who is the Creator and Lord of the World, who governs the world in accordance with His purpose and who calls upon us and commands us as His servants to go out and witness for Him in order to expand His Kingdom, and build Christ's Church for His glory. The University subscribes to Christ's Great Commission Mathew 28:19-20.

As a Christian-based academic institution, Ndejje University is committed to:

- a) Respecting the equality of all human beings as the community of God's people irrespective of ethnic, social and political inclinations; or gender and religious affiliation.
- b) The freedom to practice and spread the Gospel faithfully as commanded by Christ;
- c) The promotion of sharing openly for social justice and reconciliation among people;

- d) Providing Christian education, training and research relevant to local needs and initiating and developing suitable Christian activities and services that will strengthen the Church and community, including its leadership structures;
- e) Facilitating and enhancing the spirit of cooperation within the community and the outside world; and
- f) The promotion of partnership with other universities, tertiary institutions and community.

1.2 Values

The following values will underpin the operations of Ndejje University and the behaviour of all University personnel and guide the implementation of the 2017/18 – 2026/27 Strategic Plan.

- a) God-fearing and respect: Respect for God and man fosters responsibility and wisdom
- b) among humans. Consequently, Ndejje University shall promote Godly practices and foster unity in diversity among all its Council, management and staff. Godly principles shall permeate all actions and decisions undertaken by the University.
- c) Integrity: Integrity means consistency of actions, values, methods, principles and expectations. Integrity is regarded as the honesty and truthfulness or accuracy of one's actions. Integrity can be regarded as the opposite of hypocrisy in that it regards internal consistency as a virtue. Consequently, Ndejje University shall promote integrity in its dealings with all stakeholders (internal and external) and ensure that all its policies, guidelines, procedures, actions and decisions are carried out with utmost integrity.
- d) Teamwork: Teamwork requires that members work individually and collectively towards a common goal. Consequently, Ndejje University shall promote the establishment and sustainability of work and project teams that will be formed to further its Mandate and Mission. Such teams shall be supported with adequate resources, conducive environment and strategic guidance, that will be continuously reviewed for better performance.
- e) Commitment: All employees of the University shall be dedicated to the Vision, Mission and Objectives of the University through their actions while implementing various activities of this Strategic Plan. This entails being loyal and faithful to the employer at all times.

- f) Innovativeness: Management and staff shall at all times strive to incorporate change into teaching, research and outreach through the creation and/or adoption of new ideas that add value in the form of increased competitiveness and sustainability. Such behaviour is evidenced by willingness to place a strong emphasis on research and development, new programmes, new services, improved services and the adoption of new technologies. Ndejje University shall, through teaching, learning and research, promote the discovery of new knowledge, new ways of doing things and new solutions to existing problems.
- g) Equity: The University management will endeavour to be fair and impartial in all its operations as a means of promoting non-discriminatory practices, build cohesion and put in place systems that are objective and neutral in terms of how decisions affect the staff and students of the University.
- h) Excellence: University education demands that all players in the sector meet the
- i) requirements of the clients and the community to develop and deliver programmes that meet high expectations. Ndejje University members are expected to provide excellent services to their clients and always strive to improve the services they render.
- j) Accountability: Ndejje University staff members and students shall conduct themselves with utmost honesty and transparency in all their dealings. This will promote the image and reputation of not only the University but also its members and students. Accountability requires zero tolerance to corruption and demonstrating accountability for actions, decisions and resources under one's care. As part of its efforts to pursue integrity, Ndejje University shall provide accurate, timely and relevant information to all its stakeholders.

1.3 Strategic Objectives

Ndejje University will pursue the following strategic objectives (SOs) over the next 10 years, in order to realize its vision and mission.

Strategic objective 1: Develop and deliver market-responsive academic programmes.

Strategic objective 2: Promote knowledge generation, innovations and outreach services.

Strategic objective 3: Provide supportive student services.

Strategic objective 4: Strengthen governance and management systems.

Strategic objective 5: Strengthen human resource capacity.

Strategic objective 6: Promote financial sustainability.

Strategic objective 7: Expand and maintain infrastructure and ICT capacity.

Strategic objective 8: Develop strategic partnerships and collaborations

1.4 Research at Ndejje University

Ndejje University's research agenda focuses on writing impactful research with ultimate goal to change the world, does not matter one's academic level, researchers in Ndejje University are encouraged to find a way of converting what we do into solutions that addresses problems of the society. To us, impactful research means researching for policy formulation, societal transformation, cultural appropriation and creating economic, health and environmental impact. Ndejje University provide a positive policy environment for impactful research and provide solutions for barriers towards our positive research mindset.

This research policy presents the research agenda of Ndejje University for the year 2022 to 2027 in line with our strategic plan core values. This agenda provides a clear direction of the University in terms of research and innovation for the next five (5) years. The University's Research Agenda is geared on Ndejje university strategic core values and United Nation's sustainable development goals (SDGs), Ministry of Science, Technology and Innovation research guidelines, National Research policy Agenda, and National Higher Education Research Agenda.

Research agenda plays a vital role in helping design research activities for faculties/staff as well as graduate and undergraduate students. Having a well-defined research agenda help a university identifies research priorities. It also outlines a concrete framework for guided decision making in terms of future research undertakings.

Ndejje University identified, seven (7) research agenda namely; (1) Environment and Climate Change Mitigation and Adaptation, (2) Food Safety Security, and Innovation, (3) Industry, Energy, and Emerging Technologies, (4) Design, Development and Validation of Software, (5) Church and development, (6) Entrepreneurship and Business Innovation, (7) Post conflict Reconstruction

2. Research Agenda Details

Research Themes	Acquiescence	Areas of Research Interest	Supporting Research and Development Center
Engineering and Sectoral Development	GOAL 9: Industry, Innovation and Infrastructure	Research agenda here focuses on mechanical engineering and global trends, electronic and electrical engineering and sectoral development, civil and structural engineering for sustainable development, survey and land management, technical skilling for sustainable development.	Technology Incubation Center
Environment and Climate Change Mitigation and Adaptation	GOAL 6: Clean Water and Sanitation; GOAL 7: Affordable and Clean Energy GOAL 13: Climate Action	Disaster prevention and mitigation, preparedness, recovery, and rehabilitation. Finding cost-effective and greener solution to environmental problems focusing on pollution control, increasing water supply, and climate adaptive and resilient community are among the priorities of the agenda, adoption and adaptation mechanisms, agro-forestry, soil improvement, resource diversification and recycling.	Agricultural Research and Development Center
Food Safety Security, and Innovation	GOAL 2: Zero Hunger GOAL 3: Good Health and Well-Being.	Strengthening and innovating ethnic food products and processes and the improvement of food shelf life without compromising its quality and safety, development of natural products, nutritious food for disaster relief, as well as value	Agricultural Research and Development Center

		added products from major foods available, copying strategies, appropriate technologies, water use efficiency, alternative livestock feeds and gender inclusiveness.	
Industry, Energy, and Emerging Technologies	GOAL 7: Affordable and Clean Energy	The research agenda endeavors to support the increasing demand for innovative technologies that will be optimized in enhancing the productiveness and competitiveness of Micro, Small, and Medium Enterprises (MSMEs). This studies that will help build cost-efficient manufacturing processes, design and prototyping of food processing equipment as well as product packaging system. It is also the aim of the agenda to look for alternative and cleaner energy sources that is efficient and supplemental to the emerging energy needs of the society and emerging technologies such as Artificial intelligence, Robotics, blockchain, emerging magnetic data storage technologies, active structure, arcology (Research, development, commercialization) and etc.	Energy Research Center
Design, Development and Validation of Software	GOAL 9: Industry, Innovation and Infrastructure	Under this agenda, priority researches shall aim to develop user-friendly information and communication technologies that will be utilized in a fast and	Technology Incubation Center

		<p>efficient data gathering, processing, tracking, and monitoring. Researches shall also focus on generating early warning system for diseases and outbreaks, and instructional material software for smart farming. Studies on strengthening information and communication technologies to be applied on disaster risk reduction management and in food and nutrition services shall also be the pillars of the program, big data, smart cities, design and development of computer systems, networks, neural networks and etc.</p>	
Church and Development	NDU Strategic Plan	<p>The focus shall be on the role of the church in community development, challenges and opportunities, inspirational sources of church development, the church and technology, modernity in church ministry and development, leadership in the church, formal organization management vs church management.</p>	Business Incubation Center
Entrepreneurship and Business Innovation	GOAL 12: Responsible Consumption and Production.	<p>This research agenda will help in studies in the areas of finance, banking and accounting, taxation and public policy, social entrepreneurship, small medium business enterprises, projects and investment analysis and any other</p>	Business Incubation Center

		emerging trends in business today and in the future	
Post conflict Reconstruction	GOAL 16: Peace, Justice and Strong Institutions	This research agenda will cover; conflict, rebel activities, war and violence, internally displaced persons (IDPs) war and refugees and development, peace and security in great lakes region, conflict management, ethical issues in development, displacement.	
Responsive Health System		This research agenda entails to generate studies that shall contribute to a more efficient, safe, quality, and affordable healthcare available to society. This shall involve researches on translating health data to information and knowledge, accessible and effective health service delivery, and evidence-based health policy formulation.	

Conclusion

This Research Agenda hinges on international, national and Ndejje university strategic plan objectives. This Research Agenda will run for the next five years upon which reviews on performance will lead to a renewed agenda in 2027. All our researchers at all levels follow NDU research agenda.

Compiled by Directorate of research and Innovations.

Fear of God Brings Knowledge and Wisdom