

Federal University Dutse (FUD)

Country	NIGERIA
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Institutional Academic Profile and International Engagement

Key academic and research strengths, focus areas for Africa-UniNet / KoEF / Erasmus+ matchmaking

Federal University Dutse (FUD), situated in Jigawa State, Nigeria, is recognized for its commitment to academic excellence and research with societal impact. The university functions as a central hub for higher education, promoting intellectual advancement and innovation across multiple disciplines. FUD's academic offerings emphasize science, agriculture, and social sciences, aligning with Nigeria's national development objectives and the broader priorities of the African continent.

FUD demonstrates particular strengths in agricultural sciences, environmental management, computer science, and health sciences. Its research initiatives address local and regional challenges, including Energy generation, sustainable agriculture, food security, climate change adaptation, and public health improvement. This research agenda advances knowledge and delivers practical solutions to critical societal issues.

Federal University Dutse actively pursues international collaboration through networks such as Africa-UniNet, KoEF (Korea Education Fund), Erasmus+ and others. Participation in these platforms facilitates student and staff exchanges, joint research projects, and capacity-building initiatives. The university seeks partnerships that strengthen its research capacity and expand its educational impact, with the objective of integrating global best practices into local contexts. FUD is expected to have a match-making in joint research projects with the Austrian Institutions focusing on energy generation, sustainable agriculture, food security, climate change adaptation, public health improvement and other sustainable development goals (SDGs). It is worth mentioning that FUD attracted over \$1 million in international research grants from various funding agencies, such as the World Academy of Sciences (TWAS), the African Academy of Sciences (AAS), Google, the European Commission (Horizon), UNICEF and others. An ongoing research collaboration between the government of Germany and Federal University Dutse on solar energy generation is also in the pipeline and is expected it to commence soon. More than 50 students (M.Sc and Ph.D) benefited from the research grants secured by the university.

Through participation in Africa-UniNet, KoEF, and Erasmus+, FUD establishes essential connections with institutions across Africa, Europe, and Asia, facilitating intercultural dialogue and knowledge exchange. Collaborative efforts typically focus on technology innovation, sustainable development, and the enhancement of education quality, areas in which FUD both contributes expertise and benefits from international collaboration.

Study programs relevant for student mobility and opportunities for joint supervision.

Student mobility and joint supervision at Federal University Dutse (FUD) are primarily facilitated by the College of Postgraduate Studies and strategic research collaborations. Although undergraduate exchange opportunities are limited, postgraduate programs (M.Sc. and Ph.D.) provide the most substantial avenues for joint supervision, cross-institutional research, and academic mobility. Some departments at FUD are particularly well-suited for inter-university collaboration, grant-supported student mobility, and joint supervision because of their laboratory infrastructure or socio-economic research orientation. It is worth mentioning that a PhD student secured a mobility grant to travel to

the universities in Tunisia and Morocco, where they conduct part of their PhD work. Furthermore, joint PhD supervision is currently underway between Federal University Dutse and the Lovely Professional University, India; Technical University of Munich, Germany; Mohammed VI Polytechnic University (UM6P), Morocco; and many more.

Participation in international programmes and networks (current or recent) relevant to the activities

Federal University Dutse (FUD) has broadened its local and international presence by actively participating in prominent research networks. These collaborations reinforce the university's primary strengths in science and Technology, innovation, agricultural sciences, socio-economic research, and entrepreneurship. The main international and regional networks and programs influencing FUD's current academic environment include: Africa - UniNet, KoEF (Korea Education Fund), Erasmus+, World Association of Industrial and Technological Research Organizations (WAITRO), British Council Higher Education Grant Partnerships, TETFund International Innovation & Tech Hub Network, Bilateral University Alliances (for example, North Dakota State University Partnership) and West African Research and Academic Networks. Furthermore, FUD has a large scientific network, particularly across the USA, Europe and Asia, with whom it plans to enhance contacts and utilize in various aspects of our research.

Cooperation Interests

Priority partner regions or countries, 1-3, also indicate why

1. Austria	Collaboration between Nigerian and Austrian institutions is primarily facilitated through the Africa-UniNet network.
2. United State of America	The University seeks cooperation with institutions in the United States and worldwide, focusing on Joint Institutional Programs, Capacity Building, Collaborative Research, and Knowledge Exchange.
3. Germany	The cooperation interests of Federal University Dutse in Germany focus on creating sustainable academic partnerships that support mutual growth. Combining resources and expertise, both institutions will benefit significantly. This fosters innovation, knowledge transfer, and cultural enrichment that will shape the future of education and research.

What types of cooperation is your institution particularly interested in developing?

☒ Research collaboration	☒ Joint funding proposals
☐ Curriculum / capacity development	☒ Institutional partnership (MoU)
☐ Joint / double degrees	☒ Short programmes / summer schools
☒ Student mobility	☒ Joint supervision (Master / PhD)
☒ Staff mobility	☐ Other: Please specify

Please indicate three keywords describing your main cooperation interest:

1. Academic Partnership	2. Research and Innovation	3. Community Development and Outreach
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Available capacities and resources for cooperation

e.g., researchers, supervisors, management support, working space, labs, field sites, digital tools, ...

The institution is home to experienced researchers with expertise across various fields, many of whom maintain active research portfolios and engage in international collaborations.

The university is equipped with modern lecture halls, well-stocked libraries, and specialized laboratories that support practical research and innovation.

The university also provides digital tools, such as online databases and learning websites, which help with remote collaboration and distance learning.