



DOWEN COLLEGE
18, ADEBAYO DOHERTY
ROAD,
LEKKI PHASE 1, LAGOS,
NIGERIA.

ISA/RE-ACC/ 04-12-2025

Colegiul Economic „Nicolae Kretzulescu”

Bulevardul Hristo Botev 17.....

Bucharest.....

Romania.....

Nr. 357 / 03.02.2026...

INTERNATIONAL COLLABORATION AGREEMENT

In recognition of our mutual interest in promoting international friendship, academic growth, cultural understanding, and sustainable development, **Dowen College Lagos, Nigeria**, with its registered address at No 18, Adebayo Doherty Road, Lekki Phase 1, Lagos, NIGERIA represented by Principal, DR ADEBISI LAYIWOLA. and SCHOOL **Colegiul Economic „Nicolae Kretzulescu”** (hereafter referred to as “the Partner School”) with the registered address at **Bucharest, Romania. Bulevardul Hristo Botev 17** represented by Principal **Dinescu Mirela Nicoleta**.....and Co-ordinating teacher.....**Laura Stanciu**.....hereby enter into this International Collaboration Agreement.

Both institutions express their intention to strengthen educational cooperation and agree to make their best efforts to develop the following areas of collaboration:

Objectives of Collaboration

Both parties agree to:

- Establish and strengthen ties of friendship and cooperation.
- Promote mutual understanding, academic collaboration, cultural exchange, and personnel exchange.
- Develop and implement joint learning activities, virtual exchanges, and project-based initiatives.
- Work toward more formal, structured, and mutually beneficial long-term partnerships.

Both Schools will work on joint projects as stated below:

TITLE OF ACTIVITY:

Eco-Energy Initiative: Mini Biogas System for Hostels

Learning Outcomes:

By the end of this project, students will be able to:

1. Explain the concept, principles, and environmental benefits of biogas production and renewable energy.
2. Demonstrate knowledge of how organic waste is converted into energy through anaerobic digestion.
3. Collaborate effectively with peers, teachers, and technical personnel in designing, constructing, and monitoring a small-scale biogas system.
4. Analyze data on waste input and gas output to evaluate system efficiency.
5. Promote sustainability awareness through advocacy campaigns, reports, and presentations.
6. Reflect on how renewable energy technologies can reduce environmental pollution and promote sustainable living in **Nigeria, the United States, and India.**

Key Activities

1. Introduction to the SDGs

Orientation sessions on SDG 7 (Clean Energy), SDG 9 (Industry and Innovation), SDG 11 (Sustainable Cities), and SDG 13 (Climate Action).

2. Interactive Seminar

A joint virtual seminar on renewable energy, waste management, and climate action.

3. Research and Planning Phase

- Background research on biogas systems and safety considerations.
- Design of the biogas system layout (digester, inlet/outlet, storage, and piping).
- Budgeting and sourcing of low-cost and eco-friendly materials.

4. Construction and Installation

- Construction of a mini plastic bioreactor using locally available materials.
- Installation of inlet pipes for hostel food and organic waste collection.

- Construction of a gas collection chamber and simple piping for low-power appliances.
- Joint supervision by science/engineering teachers to ensure safety and accuracy.

5. Testing and Monitoring

- Measurement and documentation of biogas production rates.
- Performance analysis (input vs. gas output).
- Troubleshooting and system improvement.

6. Documentation and Sustainability Campaign

- Creation of posters, flyers, and short videos on the biogas process.
- Organization of a **Clean Energy Day Exhibition** showcasing project outcomes.
- Student essays or oral presentations linking the project to renewable energy and the SDGs.

Implementation Process

- The host school shall send a **scheduled Zoom meeting link** at least **four (4) days** before the proposed project activity.
- Both schools agree to maintain open communication and ensure active participation of students and teachers throughout the project.

This agreement becomes effective on the date of signature by both parties.
It is signed in **two (2) original copies**, each party retaining one.

DOWEN COLLEGE LAGOS

18, ADEBAYO DOHERTY,

LEKKI PHASE 1, LAGOS, NIGERIA

PRINCIPAL  DR (MRS)
LAYIWOLA



„Colegiul Economic „Nicolae Kretzulescu”

Bulevardul Hristo Botev 17

Bucharest - Romania

...PRINCIPAL DINESCU MIRELA NICOLETA

