

February 2024

Title: ICTs Econometrics Intern

Bureau/Dept/Unit: BDT/ARB

Supervision: Mustafa Al Mahdi/Programme Officer

Duration: 6 to 11 months maximum

Location: Field – Cairo, Egypt

ITU is the United Nations specialized agency for information and communication technologies – ICTs.

We allocate global radio spectrum and satellite orbits, develop the technical standards that ensure networks and technologies seamlessly interconnect, and strive to improve access to ICTs to underserved communities worldwide.

ITU is committed to connecting all the world's people – wherever they live and whatever their means. Through our work, we protect and support everyone's fundamental right to communicate.

Today, ICTs underpin everything we do. They help manage and control emergency services, water supplies, power networks and food distribution chains. They support health care, education, government services, financial markets, transportation systems, e-commerce platforms and environmental management. And they allow people to communicate with colleagues, friends and family anytime, and almost anywhere.

With the help of our global membership, ITU brings the benefits of modern communication technologies to people everywhere in an efficient, safe, easy and affordable manner.

ITU membership reads like a Who's Who of the ICT sector. We're unique among UN agencies in having both public and private sector membership. So in addition to our 193 Member States, ITU membership includes ICT regulators, many leading academic institutions and some 700 tech companies.

In an increasingly interconnected world, ITU is the single global organization embracing all players in this dynamic and fast-growing sector.

1. **Organizational Unit**:

The Telecommunication Development Bureau (BDT) is responsible for the organization and coordination of the work of the Telecommunication Development Sector (ITU-D) of the Union which deals mainly with ICT-focused development policies, strategies and programmes, as well as technical cooperation activities, to promote digital inclusion and drive digital transformation at community, country and regional levels. To effectively and efficiently serve the needs of ITU members, BDT is organized into four functional areas:

- Office of the Deputy to the Director and Field Operations Coordination Department

- Partnerships for Digital Development Department

- Digital Networks & Society Department

- Digital Knowledge Hub Department

The office of the Deputy to the Director and Field Operations Coordination Department is responsible for advising and supporting the Director on the direction and management of the Bureau. It is also responsible for leading all matters related to personnel, strategic, financial and operational planning and reporting processes. The department oversees the work of the Regional Offices, ensuring proper delegation of authority and accountability of the Regional Offices. This department coordinates the holding of BDT conferences and events, monitors the implementation of decisions emanating from the World Telecommunication Development Conference (WTDC), the Telecommunication Development Advisory Group (TDAG) or Council, and cooperates closely with the other Sectors of the Union and the General Secretariat on matters of relevance to BDT and the overall work of the Union. BDT Regional Directors report to this department.

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| 1. **Organizational context:**   The office of the Deputy to the Director and Field Operations Coordination Department is responsible for advising and supporting the Director on the direction and management of the Bureau. It is also responsible for leading all matters related to personnel, strategic, financial and operational planning and reporting processes. The department oversees the work of the Regional Offices, ensuring proper delegation of authority and accountability of the Regional Offices. This department coordinates the holding of BDT conferences and events, monitors the implementation of decisions emanating from the World Telecommunication Development Conference (WTDC), the Telecommunication Development Advisory Group (TDAG) or Council, and cooperates closely with the other Sectors of the Union and the General Secretariat on matters of relevance to BDT and the overall work of the Union. BDT Regional Directors report to this department. |

## **Terms of Reference / Internship Objective:**

Under the supervision of the Programme Officer in the ITU Arab Regional Office, the intern will:

* Assist in collecting, cleaning, and organizing relevant data from various sources related to ICTs methodologies, the regulatory tracker assessment and the G5 benchmark.
* Analyse the collected data from Arab countries.
* Utilize business intelligence tools and software to analyze and visualize data effectively.
* Engage in continuous learning and skill development to enhance proficiency in econometrics and related tools.

1. **Competencies**

**Technical Competencies** *(Examples of technical competencies are knowledge of regulatory frameworks, ERP or project management methodologies, etc.):*

* Knowledge of data analysis tools and statistical software (e.g., Excel, Python, R, SQL, STATA, or MATLAB) and business intelligence platforms (e.g., Tableau, Power BI, QlikView) will be an advantage.
* Good oral and written communication skills.

1. **Qualifications required**
2. **Education**:

University degree in Economics, Statistics, or a related field.

1. **Work experience**:

No work experience is required.

1. **Languages:**  
   English required and knowledge of another UN official languages (Arabic or French) would be an advantage.
2. **Training and Learning Elements:**

The intern will acquire knowledge and experience of:

* Acquire hands-on experience in implementing econometric models such as time series analysis, panel data analysis, and simultaneous equation models.
* Understand the theoretical frameworks of ITU regulatory tracker and G5 benchmark
* Enhance communication skills through regular interaction with team members, stakeholders, and external partners
* Learn effective methodologies for collecting and processing economic data from various sources, including databases, surveys, and official reports.
* Develop skills in data cleaning, validation, and organization to ensure accuracy and reliability in econometric analysis.