**Externally funded internship/FELLOWSHIP**

**TERMS oF reference**

**I. Identification of the post**

Title: Data Science & Visualization Intern

Sector of assignment: Policy, Data Visualization

Organizational unit: Policy Unit

Country and Duty Station: India/ New Delhi

Expected duration: 6-9 months

Expected starting date: As soon as possible

Supervisor’s name: Ms. Amee Misra

Supervisor’s title: Sr. Economist, Head of Policy

**II. CORPORATE BACKGROUND:**

UNDP works in about 170 countries and territories, helping to eradicate poverty, reduce inequalities and exclusion, and build resilience so countries can sustain progress. As the UN’s development agency, UNDP plays a critical role in helping countries achieve the Sustainable Development Goals.

UNDP has been working in India since 1951 in almost all areas of human development. Together with the Government of India and development partners, we have worked towards eradicating poverty, reducing inequalities, strengthening local governance, enhancing community resilience, protecting the environment, supporting policy initiatives and institutional reforms, and accelerating sustainable development for all.

With projects and programmes in every state and union territory in India, UNDP works with national and subnational government, and diverse development actors to deliver people-centric results, particularly for the most vulnerable and marginalized communities. As the integrator for collective action on the Sustainable Development Goals (SDGs) within the UN system, we are committed to supporting the Government of India’s national development vision and priorities and accelerating the achievement of the SDGs for the people and the planet.

Our new Country Programme (2023-2027) aims to provide an integrated approach to development solutions in three strategic portfolios:

* Strong, accountable and evidence-led institutions for accelerated achievement of the SDGs
* Enhanced economic opportunities and social protection to reduce inequality, with a focus on the marginalized.
* Climate-smart solutions, sustainable ecosystems and resilient development for reduced vulnerability

South-South cooperation, gender equality and social inclusion are promoted across the pillars. The programme is supported by a framework of renewed partnerships and blended finance solutions, strategic innovation and accelerator labs, and data and digital architecture.

Traditional approaches to development are struggling to keep up with the 21st century challenges. The Accelerator Labs are UNDP’s new way of working in development. Globally, 91 labs are currently serving 116 countries to find radical solutions to today’s wicked development challenges. The labs identify the intersection of complex social and environmental challenges and the key partnerships that can have a transformative effect. They conduct quick experiments based on testable hypothesis leading to faster learning. While working towards addressing complex challenges, the labs promote a portfolio approach for co-creating solutions through leveraging collective intelligence and focus on multiplier effects.

**III. RECEIVING OFFICE BACKGROUND:**

The Policy Unit leads UNDP India’s research and advocacy on Global Goals and the national development agenda, with a special focus on environment and climate change, skill development, inclusive growth and strengthening systems for SDG localization.

**III. DUTIES:**

The Intern/Fellow will assist in the following duties and responsibilities:

|  |  |  |
| --- | --- | --- |
| **No** | **Duties and responsibilities** | **% of time** |
| 1 | * Cleaning, processing, interpreting, and analysing data to develop insights into multidimensional poverty in India and its interaction with other relevant metrics. * Developing data visualizations, such as dashboards and maps, using tools like Tableau or Power BI to present data and analysis. * Assist in data analysis and outreach materials like fact sheets, policy briefs for effective communication. | **60%** |
| 2 | * Collaborate with other UNDP India teams to align data insights with key programs and suggest ideas for data projects. * Optimize data visualization techniques, provide strategic recommendations for enhancing data accessibility and usability, and systematically document methodologies to ensure process transparency and reproducibility. | **30%** |
| 3 | **Other:**   * Support other/ad hoc activities as seen relevant and needed. | **10%** |

**IV. REQUIREMENTS AND QUALIFICATIONS**

**Education:**

Candidates must meet one of the following educational requirements:

* currently in the final year of a Bachelor’s degree; or
* currently enrolled in a postgraduate programme (such as a Master’s programme or higher); or
* have graduated no longer than 1 year ago from a university degree or equivalent studies.

Field of study: Economics, Data Science, Statistics, Mathematics, Computer Science, or equivalent

**Skills Required:**

* A degree in Economics, Statistics, Data Science, Computer Science, Public Policy, or a related field.
* Strong analytical skills in data mining, cleaning, and processing.
* Proficiency in data visualization tools and programming languages like R, PowerBI, Tableau, or similar.
* Experience with statistical analysis, machine learning techniques, and data storytelling with be an asset.
* Familiarity with policy research and an understanding of what drives poverty and poverty reductions will be an asset.
* Familiarity and experience with key economic and development databases like (e.g. the NFHS, Periodic Labour Force Survey data) will be an asset.

**Language skills:**

* English is required.
* Knowledge of Hindi is an advantage.

**Other competencies and attitude:**

* Interest and motivation in working in an international organization;
* Good analytical skills in gathering and consolidating data and research for practical implementation;
* Outgoing and initiative-taking person with a goal-oriented mind-set;
* Communicates effectively when working in teams and independently;
* Good in organizing and structuring various tasks and responsibilities;
* Displays cultural, gender, religion, race, nationality and age sensitivity and adaptability;
* Responds positively to feedback and differing points of view;
* Consistently approaches work with energy and a positive, constructive attitude.