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Scale Development Project

Introduction:

The Scale Development Project is an initiative under the Learning and Research Grants to develop a procedure for inventing a device (scale) to measure or test the variable. It is an item reduction analysis conducted to ensure that only parsimonious, functional, and internally consistent items are ultimately included. In order to create a valid and reliable scale that can be referred to and used in the future.

Need:

The goal of this project is to identify items that are not or are the least related to the domain under study for deletion or modification and to have valid and reliable multiple scales to back up our research idea. The use of multiple items to measure an underlying latent construct can additionally account for and isolate item-specific measurement error that leads to more accurate research findings.

Scope:

Over the period, research is taking a new step every day; it is crucial to update existing scales and create new reliable and valid scales to meet the requirements of the evergrowing evolving population. There are many scales on different variables, but most of them are developed, based on the western population, which affects the validity and reliability of the data collected in populations beyond the west.

To develop a scale, we need the following-

R software, different sub-variables, a large population/ sample size and a minimum of 20 questions under sub-variables.

Duration of the Project

1 year - 2 years

The **Scale Development Project** requires action on many fronts including **greater allocation** of funds to work out how to fast-track decision-making, and information sharing, and allow **researchers more flexibility** in utilizing the funds. This can be the desired path to **inculcate and sustain** a culture of **curiosity and inquisitiveness** as well as create a more dynamic system in the country.

Call for Support

Introduction:

According to UNESCO, the **expenditure on Research and Development (R&D)** is more than **\$1.7 trillion** across the globe. This signifies the importance of R&D in the modern world where countries are placing **extensive focus** on their R&D programs to gain a **competitive** edge in the **fast-changing development-driven world**.

India is a low spender (only **0.66%** of the GDP) in comparison to developed countries. The Gross Domestic Expenditure on R&D (GERD) as a percentage of gross domestic product (GDP) is around **0.7%** which shows a downward trend in the last couple of years.

Impediments

Low Funding: The funding is less than **1%** of the GDP.

High Dependence on Grants: Many universities/institutes depend on an **extramural support** system which creates a dependency situation where the **quality of research** at the doctoral level gets **hampered** when less funding is provided to these institutions.

Lack of Skilled Personnel: There is a **lack of adequate expertise** in many emerging research areas. Further, the **talents** of our country **migrate** abroad as they don't receive the **requisite** for doing good quality research.

Steps that can be taken

Collaborations between public institutions and start-ups/industries can be **supported** to **mentor and train** students/scientists to pursue the doctoral and postdoctoral levels. Simultaneously, **postdoctoral** work in India should be **encouraged** by providing better **remuneration** and opportunities to **young scientists and researchers**.

Appeal

Up to 1,82,000 INR (2282 USD) p.a to support the Scale Development Project focusing on developing a reliable and valid measure of a construct to assess an attribute of interest.

Call for Research Applicants

Eligibility for application to be a part of this Project:

Applicants must:

- Be a post-graduate student or early career psychologist (a doctoral-level psychologist or licenced RCI MPhil (no more than 10 years).
- Have a demonstrated knowledge in statistics, data analysis and scale development
- Have demonstrated competence and capacity to execute the proposed work.
- Have a published research paper or be in the process of publishing.

How to Apply:

Interested Applicants may submit the following to office@ijnngp.com

- Abbreviated CV (not to exceed five pages)
- Research Project for initial screening
- Certificate of Publication or Published Research Paper with DOI for proof of work.



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