NSO, India Unveils Digital Innovations to Strengthen Statistical System

The Ministry of Statistics and Programme Implementation (MoSPI) launched a revamped Microdata Portal during the Conference of State Government Ministers on Strengthening of Statistical Systems, marking a significant step in enhancing data accessibility, user experience, and the integration of advanced technologies in the official statistical system. The new portal, which serves as a centralized repository for extensive statistical data collected from national surveys and census operations, overcomes previous limitations. In collaboration with the World Bank Technology Team, MoSPI has adopted a modern, scalable technology stack that not only ensures compliance with the latest security standards but also supports a responsive design and API-based data access. The portal can be accessed at https://microdata.gov.in/.On this occasion the web site of National Statistical System Training Academy was also launched. The website will facilitate ease of access of information regarding capacity building initiative of the ministry. The website has been developed in-house by Data Informatics & Innovation Division of the ministry. The website can be accessed at www.nssta.gov.in

MoSPI also presented a Proof of Concept (PoC) for an AI/ML-based classification tool designed to ease the use of the National Industrial Classification (NIC) system. The tool leverages natural language processing to allow field agents to enter text queries, subsequently suggesting the top five relevant NIC codes. This innovation not only reduces manual effort but also increases the productivity of enumerators, leading to more accurate economic data collection and ultimately better economic planning and policy-making. This has been the outcome of the recently concluded Hackathon organized by the ministry.

The launch of the revamped these portals and website along with innovative AI-driven tools underscores commitment of the ministry to leverage the latest technological advancements for data management leading to strengthening of the statistical system.. These initiatives are set to foster a more data-driven approach to policymaking, ensuring that government interventions are both precise and context-specific, ultimately contributing to sustainable national development.