

TERMS OF REFERENCE FOR THE POST OF TECHNICAL EXPERT – DATA SCIENTIST-MIS, NACER

1. SCOPE OF WORK.

The Technical Expert Data Scientist - MIS will support the following activities:

- Development of a set of Key Performance Indicators for each stakeholder level in RSETI implementation against which current performance can be measured & analysed.
- Identification of data to be captured, sourcing of data, how frequently it will be gathered, how often it will be reported, how often the data will be reviewed.
- Design of dashboard and exception reporting mechanism that will measure current performance against the targets for the agreed KPIs.
- Design a small pilot (in a state or few RSETIs) to test the relevance and feasibility of the KPIs in working towards the goal of quality skilling.
- Explore potential of advanced analytics, early warning systems, predictive modelling, machine learning in M&E of RSETI.
- Liaison, requirement preparation with internal and external IT teams for development of M&E related IT interventions.
- Analyse existing datasets of the government such as SECC 2011, Census, NSSO and provide strategic support to Ministry in designing RSETI policy.
- Prepare strategies, partnerships and conduct research with focus on quality, policy and evaluation of RSETIs.
- Any other task assigned by the Joint Secretary, Skills Division, Ministry of Rural Development/Director General, National Academy of RUDSETI in relation to this assignment.

2. MINIMUM ELIGIBILITY CRITERIA

- Bachelor's degree in computer science, Data Science, Statistics, B Tech, MCA, or related quantitative field from a recognized institute.
- At least 6 years of professional experience in one or more of the following areas:
 - Data analysis and visualization.
 - Monitoring and Evaluation (M&E) frameworks for development programs.
 - Predictive modelling or machine learning applications in social or rural development.
 - Business or strategy consulting with a focus on data-driven decision making.
 - Rural development, impact evaluation, or social investing.

3. DESIRABLE QUALIFICATIONS AND EXPERIENCE

- Proven experience in managing or developing IT projects, particularly from requirement gathering to deployment, including collaboration with cross functional teams.
- Proficiency in statistical analysis tools and programming languages such as R, Python, or Stata, with hands-on experience in libraries/frameworks like Pandas, NumPy, Scikit-learn, or ggplot2.

- Demonstrated experience working with large-scale government datasets such as Census, SECC 2011, BPL, or NSSO, with ability to derive actionable insights for policy design.
- Familiarity with dashboard development tools (e.g., Tableau, Power BI, or open-source alternatives like Plotly Dash) for real-time data monitoring and reporting.
- Knowledge of advanced analytics techniques, including predictive modelling, early warning systems, or machine learning algorithms, applied to social impact or skill development programs.
- Strong written and oral communication skills, with experience in preparing reports, presentations, or policy briefs for diverse stakeholders, including government officials.
- Self-driven with a high capacity for autonomous work, while maintaining strong collaboration skills as a team player.
- Ability to work under pressure, manage multiple priorities, and meet tight deadlines.
- High integrity, strong work ethic, and a demonstrated commitment to social impact and rural development.

4. MAXIMUM AGE LIMIT Age of the candidate should not be more than 45 years as on the last day of application.

5. REMUNERATION Consolidated remuneration for this position will be Rs 1,00,000/- (Rupees One lakh only) per month.

6. TERM & LOCATION The term of contract shall be valid for one year. The expert shall be based at the NATIONAL ACADEMY OF RUDSETI office in Bangalore and may involve travel all over the country based on need.

7. REPORTING The Expert shall report directly to NDR, NACER or to any other person assigned by JS (Skills).

8. GENERAL CONDITIONS

- The offered assignment is purely temporary and does not envisage any kind of regular appointment in NAR in future.
- In case of a large number of applications, the Academy may shortlist the candidates as may be necessary.
- Canvassing in any form will be treated as disqualification.
- No correspondence will be entertained as regards short-listing, calling for interview, selection or engagement.
- The Academy reserves the right to relax any of the requirements i.e., age, educational qualification, experience etc., in exceptional cases.

[**CLICK HERE TO APPLY**](#)
