

# MEMO

**Date:** 20th October, 2025

**To:** Executive Vice Chairman/CEO

**Ref. :** SEF/GEN/381/IX/

**Subject: LETTER OF INTENT TO APPLY FOR NASENI  
RESEARCH COMMERCIALISATION GRANT PROGRAMME**

On behalf of Scientific Equipment Development Institute, Minna-Niger state, i am writing to express our intent to apply for funding through the NASENI Research Commercialisation Grant Programme. We are proposing the development and deployment of a Mobile Collapsible and Solar Powered Weather Station Incorporating IoT to address critical Weather data collection gaps in remote and underserved areas.

Our project aims to create a cost-effective, energy-independent, and portable weather monitoring system using IoT technology, powered entirely by renewable solar energy. Weather the station will be equipped with sensors to monitor temperature, relative humidity, atmospheric pressure, rain drop frequency, wind Speed and wind direction in real-time for on-site on the LCD embedded on the device and off-site remote visuals via a dedicated webpage and Cloud database platform, enabling access for researchers, disaster response teams, aviation industry, telecommunications industries for signal attenuation mitigation, educators, and agricultural stakeholders.

The requested grant funds will be used for the research, pilot Weather Station production, field, and deployment testing of the project.

We believe our proposal aligns with the mission of National Agency for Science and Engineering Infrastructure to support innovative and sustainable technological solutions for environmental and community impact.

# MEMO

Thank you for considering our intent to apply.

Sincerely,



**Attahiru Iliyasu,**

Ag.Head of Department.

Research and Development Department.

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