

Engr. Adetunji Ogunkoya

Manufacturing Services Department,
Engineering Materials Development Institute (EMDI),
PMB 611, Ondo Road, Akure,
28th August 2025

The Grant Committee

NASENI Research Commercialization Grant Program

Endorsement of Engr. Adetunji Ogunkoya

Dear Members of the Grant Committee,

It is with great enthusiasm that I endorse the project “Development of Maize Dehusking and Shelling Machine”. This innovative initiative represents a significant step forward in strengthening Nigeria’s agricultural and industrial ecosystem. As one of the nation’s most important cereal crops, maize contributes directly to food security, livestock feed, and agro-based industries. Yet, post-harvest inefficiencies — especially in dehusking and shelling — continue to limit productivity, raise costs, and reduce farmer incomes.

This project marks a bold and innovative step toward strengthening Nigeria’s agricultural and industrial base. Maize, being one of the country’s most important cereal crops, plays a central role in food security, livestock feed, and agro-based industries. Unfortunately, post-harvest inefficiencies—particularly in dehusking and shelling—continue to hinder productivity, increase costs, and reduce farmer incomes. An indigenous solution that directly addresses these bottlenecks is both urgent and necessary.

The proposed maize dehusking and shelling machine will transform the value chain by reducing losses currently estimated at 30–40% and significantly improving processing efficiency. This innovation has the potential to save Nigeria billions of naira annually, strengthen smallholder cooperatives, and democratize access to affordable mechanization. Its local fabrication will not only create employment opportunities for engineers, welders, machinists, and technicians but also empower rural communities, especially women and youth, with new skills and livelihood opportunities.

By developing this technology locally, Nigeria will reduce dependence on costly imports, conserve foreign exchange, and enhance self-reliance in agricultural machinery production. This aligns perfectly with NASENI’s mandate and the Federal Government’s Renewed Hope Agenda. I strongly endorse its development and implementation, confident that it will drive agricultural modernization, boost GDP growth, and create sustainable prosperity for Nigerian communities.

Sincerely,



Engr. Ogunkoya Adetunji