

NEIST (RRL), Jorhat - North East Institute of Science and Technology, Jorhat

NEIST stands for **North East Institute of Science and Technology**. It is a premier multidisciplinary research institute located in **Jorhat, Assam**, dedicated to scientific research and technological development, especially for the North Eastern Region (NER) of India. NEIST was originally established in **1961** as the **Regional Research Laboratory (RRL), Jorhat**, under CSIR.

It promotes local and national development through regional resource - based research and innovation. NEIST, a CSIR laboratory, focuses on chemical and biological sciences, materials and petroleum research, environmental science, agro-technology, engineering, and energy. The institute plays a key role in utilizing North East India's natural resources for national growth.

Objectives

The main objectives of NEIST are to promote scientific research in the North - Eastern region, develop technologies based on local resources, support industrial growth and entrepreneurship, improve agriculture and rural development, carry out research in energy, health, and the environment, and provide solutions for regional socio-economic development.

Significance of NEIST

NEIST plays a crucial role in India's research ecosystem, especially in the North East. Its major functions include scientific development, resource utilization, technology transfer, and support for startups and innovation.

NEIST collaborates with CSIR labs, universities, IITs, state governments, industries, and biotech institutions, along with having MoUs for joint research and technology transfer.

Achievements

Key achievements of NEIST include advancements in Petroleum and Coal Research for high - sulfur coal and low - grade coal use, Natural Products and Medicinal Chemistry with plant compound extraction, and Rural Development Technologies supporting small entrepreneurs. Additionally, they excel in Infectious Disease Research with advanced pathogen detection. NEIST has been recognized for impactful publications and technology commercialization, winning the 1st prize in the Elsevier India Scopus Quiz (2011).

Conclusion

Overall, NEIST drives scientific and technological advancements in Northeast India, supporting regional development and inspiring future scientists to contribute to societal progress.

