

SSS-NIBE is established on a 75-acre green campus with state-of-the-art infrastructure as given below:

- Modern offices with secured networking
- State-of-the-art auditorium with over 130 sitting capacities for hosting conferences, seminars etc.
- Modern class rooms for academic and training programmes
- Meeting room with video conference facility
- Hostel for accommodation of students, research scholars and trainees
- Modern mechanical workshop
- R&D facilities with latest instrumentation and equipment

The following equipments are available in respective labs.

Analytical Laboratory

High Pressure Liquid Chromatography (HPLC)
Gas Chromatography
UV-vis spectrophotometer

Bioprocess Laboratory

Bioreactor (3.0 & 7.5 L)
Refrigerated Centrifuge
Water Purification System
Lyophilizer
Microdisintegrator
Water Bath
Autoclaves
Microbiology Laboratory
Environmental Shaker
Microscope with camera
Incubator
CO₂ Incubator-cum-shaker
BOD Incubator
Hot Air Oven
Horizontal Laminar Flow
Automatic Colony Counter

Molecular Biology Laboratory

Gradient PCR
Real Time PCR
Biophotometer
SDS-PAGE
2-D gel Electrophoresis
Horizontal Gel Electrophoresis
Gel Documentation
Electroporation Unit

Thermochemical Conversion Laboratory

Differential Scanning Calorimeter (DSC)
Particulate Matter Sampling System
Data Acquisition System
Multi-component Flue Gas Analyzer
Moisture Analyzer
Microbalance

Chemical Conversion Laboratory

- Flash Point Apparatus
- Petroleum Density Meter
- TG-DTA
- Oxidation Stability Apparatus
- Biodiesel Analyzer (GC)
- Soxhlet Apparatus
- Rotary Vacuum Evaporator
- Kinematic Viscometer
- Biodiesel Preparation Unit
- Muffle Furnace 1200oC
- Muffle Furnace 1400oC
- Hot Air Oven
- High Temperature-Pressure Reactor
- TBP Distillation
- Diesel Engine Test Rig
- Rams bottom Carbon Residue
- FTIR

Biomass Characterization Laboratory

- CHNS Analyzer
- TG-DTA
- Bomb Calorimeter
- Fibre-tech Apparatus
- Automatic Sieve

Workshop Facilities

- Lathe machine
- Tractor with necessary implements
- Arc welding set
- Gas welding set
- Power hacksaw
- Bench grinder
- Bench drill