



The application of IT plays a vital role at NSICT. Its state-of-the-art IT infrastructure, technology and support have been specifically tailored to facilitate the smooth flow of traffic and transaction.

Advanced computer network with well protected firewall, latest computer hardware and software systems control every aspect of port operations, which help to improve the efficiency and optimize the productivity at a minimal cost and better customer support.

NSICT has deployed TOS (NAVIS) to manage the terminal activity in an effective and user friendly manner.

Terminal Operation system optimizes productivity by managing and maintaining terminal business transactions, data processing and accurately recording and invoicing all transactions and services. All Invoices related to Terminal Services are sent by Electronic mail without any manual intervention to the respective terminal users/shipping lines in PDF format as and when generated automatically.

Navis SPARCS module is a real-time graphical terminal Planning and Control Application for yard activities to improve the Planner's productivity, labour and equipment utilization. It integrates all aspects of yard/vessel/rail planning.

Radio Data Terminal units are used for real-time data capture which is done by Robust Motorola Input devices.

At NSICT the NAVIS TOS application is supported by the state of the art technology and hardware architecture.

Servers and virtualized environment with oracle database at the backend keeps the system up to date and technically strong. Database and system backup tools are in place along with the disaster recovery site, which is running in synchronization with the production servers.

The entire container yard is covered by Broadband wireless. The mobile workforce can move with the Radio Data Terminals-RDT and connected to the application software through the wireless network established by radio station(s). This equipment is used to transfer online data from the yard to the database.

The exchange of information through EDI is also well established. Today NSICT handles UN/EDIFACT messages like BAPLIE, CODECO, Import Advance List and Export Advance List with the Shipping Lines. Apart from above, we have implemented IFS (Integrated Finance system) and Spine Payroll.



The Spine payroll module takes care of Payroll computation of the organization. IT Department is very much concerned about the security of the terminal and therefore committed to assist security by using most modern technology available in the market. In order to enhance and tighten the security, surveillance cameras with recording facility and access control with biometric system are placed on all critical areas we have established an excellent VHF Communication system in the terminal for smooth operations. The mobile phone facility is provided to all senior officers and operations staff. Professionally trained IT personnel are available on 24 hours a day 7 days a week basis.

We have also developed a Mobile Application which helps customer tracking their deliveries and help them efficiently deploy their services. There is an ongoing process of investments for new systems, upgrades and latest technology. In nutshell, IT is committed to commission several projects which are in the pipe line with an advanced computer & communication set up in NSICT the terminal is at par with international standards.