The Institute recently introduced a new curriculum in the line of IITs where more number of elective subjects are being offered to make the system flexible. Previously, the Institute used to follow the mark based system of evaluation, but have been switching over to credit based system in order to keep track with the global evaluation methods. Industrial training, Undertaking projects are parts of the education system and students are also encouraged to take various activities for social development through NSS and NCC.

The Institute recently has been converted from State Engineering College to National Institute of Technology. The total seats have been increased from 250 to 420 for the academic session 2007-2008. Recently three Under Graduate courses has been introduced in Electrical & Electronics Engineering, Transportation Engineering and Production Engineering. The Civil Engineering Department will start a PG programme in Structural Engineering to fulfill the requirement of the State. The campus which was nonresidential is to be made residential with reopening of two boys hostels and one girls hostel for the students admitted for the session 2007-2008. A master plan is under preparation for 335 acres of land where a new campus will be built with modern facilities for overall requirement of the Institute. The Institute is getting a 33 KV dedicated power supply through Tripura State Electricity Corporation Limited for uninterrupted power supply in the campus. The R. D. Department of Govt. of Tripura took total renovation work of the existing buildings after conversion to NIT. The Institute is also obtained a grant of 12 crore rupees from DoNER for the development of infrastructure like extension of Library Building, extension of Academic Building, Centralized Computer Centre, new water treatment plant and boys and girls common room. The campus is now totally connected through Wi-Fi with wimax wireless backbone and all e-journal facilities are available in the digital library of NIT Agartala.

The National Institute of Technology Agartala is one of the 20 (twenty) National Level Technical Institutes setup by the Govt. of India. The Institute's mission is "To help to improve the economic development of the country particularly the North-East states and also the public systems, through pursuit of excellence in technical education, research, consultancy and training".