Set in a picturesque landscape at the foothills of the Western Ghats, National Institute of Technology Calicut (NITC) is located about 22 kilometers north-east of Calicut City. National Institute of Technology Calicut is a Technical Institution of national importance set up by an Act of parliament (Act 29 of 2007) namely, the National Institute of technology Act 2007, which received the assent of the President of India on 5th June, 2007. The provision of the Act have come into force with effect from 15th August, 2007 as per Notification S.O.1384(E) dated 9th August, 2007 of the MHRD (Dept. of Higher Education), New Delhi. As per the provision of the said Act, this Institution runs on non profitable basis.

National Institute of Technology, Calicut was set up in 1961 as Regional Engineering College Calicut (CREC), the ninth of its kind and the first one to be established during the Third Five-Year Plan period. Until the formation of Calicut University in 1963, the institute was affiliated with Kerala University. It was largely due to the efforts of Pattom Thanu Pillai, then Chief Minister of Kerala, that the institute came into being. Prof. S. Rajaraman, first principal of Government Engineering College, Thrissur was appointed as the special officer in 1961 to organise the activities of the college until M. V. Kesava Rao took charge as the first principal of the college. The classes were initially held at the Government Polytechnic at West Hill, before it moved to its present campus in 1963. The college started with an annual intake of 125 students for the undergraduate courses, on a campus of 120 hectares (1.2 km$^2$).

The intake for the undergraduate courses was increased to 250 in 1966, 150 for the first year and 100 for the preparatory course. The annual intake was reduced from 250 to 200 from the year 1968–69 on account of industrial recession. After Prof. S. Unnikrishnan Pillai took charge as principal in 1983, the Training and Placement Department was started to organise campus recruitments for students. The college moved into the area of information technology in 1984 with the commissioning of multi-user PSI Omni system and HCL workhorse PCs. In 1987 the college celebrated 25 years of its existence, and postgraduate courses were started. The CEDTI was established on the campus the following year.

In 1990 Shankar Dayal Sharma inaugurated the Architecture Department Block and construction of a computer centre was completed. In 1996, the institute website (the first in Kerala) was launched. The Indian Institute of Management Kozhikode functioned from the NIT campus in its first few years of existence before moving to its new campus in Kunnamangalam in 2003.