The Nizam's Institute of Medical Sciences shortly NIMS is a premier institute and autonomous university in Hyderabad, Telangana, India. It is established under the Act of Andhra Pradesh State Legislature.

NIMS is recognized by University Grants Commission and Medical Council of India. It is administered under the supervision of Governing Council, Executive Board, Director and other statutory bodies. The institute is located in Punjagutta area at the prime center of the twin cities and spread over an area of about 23 acres (93,000 m²). It has the constructed area of more than six lakh sq.ft. The Institute serves through 27 Departments. Out of them, 14 are Super Specialties and others are Supporting Departments. The Institute has a bed strength of 946 beds, out of which 603 are in General Wards, 166 in private rooms and 177 in emergency and post operative care.

It publishes the monthly journal "The Clinical Proceedings of Nizam's Institute of Medical Sciences" for the last 20 years. The Nizam's Charitable Trust in 1961 thought of starting a specialty Hospital for orthopaedic patients with an initial investment of Rs. 55 Lakhs. The foundation stone was laid on July 16, 1961 by Sri Morarji Desai, Minister for Finance, Government of India.

The Nizam's Orthopaedic Hospital was inaugurated by Sri S. K. Patil, Union Minister for Railways and was declared open by Her Highness, the Princess of Berar on December 22, 1964. The first Superintendent of the hospital was Dr. M. Ranga Reddy, a well known Orthopedic Surgeon, who convinced Nizam to build a specialty hospital for Orthopedics and played an important role in its construction. The Hospital was under the Nizam charitable trust until it was handed over to AP Government. Dr Ranga Reddy was the administrator of the hospital also till then.

The Trust handed over the hospital to the Government of Andhra Pradesh on February 13, 1976 under a 99 year lease agreement for which the trust receives rs 1 each year. The hospital was renamed as Nizam's Institute of Orthopaedics and Specialities (NIOS). It was inaugurated by Sri Jalagam Vengala Rao, Chief Minister of Andhra Pradesh on March 31, 1976.

The Government established the Institute of Medical Sciences (IMS) on March 11, 1980 as an autonomous body registered under A.P. Public Societies Registration Act. This was inaugurated by Dr. Marri Chenna Reddy, Chief Minister of Andhra Pradesh on March 17, 1980.