The University was established by the Government of Andhra Pradesh through G.O.Ms.No.134 dated 26-06-2007 at Venkataramannagudem, near Tadepalligudem in West Godavari District. It is the second Horticultural University in the country. Andhra Pradesh being the leader in the production of mango, oil palm, chillies, turmeric, sweet orange, papaya and second largest producer of total fruits and spices richly deserves Horticultural University to increase the productivity, sustaining the productivity and commercialization of Horticulture in the State.

Started functioning w.e.f 26th June 2007, the university was managed by the Agricultural Production Commissioner and Principal Secretary to the Government, ATM as the Special Officer supported by an Officer on Special Duty and Coordinator drawn from the Achrya NG Ranga Agricultural University. Three new Colleges of Horticulture, one each at Venkataramannagudem in West Godavari District, Mojerla in Mahaboobnagar District and Anantharajupet in Kadapa District were started in the 2007-08 academic year. The UG and PG educational programmes being offered at Rajendranagar, Hyderabad under Acharya NG Ranga Agricultural University were also brought into the fold of Andhra Pradesh Horticultural University from 2007-08 academic year onwards.

The Board of Management of the university was constituted on 16th February, 2008 and the first Vice-Chancellor was appointed on 26-02-2008. Consequently 27 Research Stations dealing with Horticultural Research and two Polytechnics were transferred along with the assets and employees with effect from 01-04-2008. The Dr.Y.S.R Horticultural University started functioning independently from 10-05-2008 at its headquarters at Venkataramannagudem.

Manpower and technology development through education and research has to be in accordance with the present day need; both qualitatively and quantitatively. Present day demand influenced by the development in the recent past such as nutritional security, food safety, environment safety, commercialization and globalization of horticulture and avoiding huge post-harvest losses have to be met through manpower and technology development. Accordingly, the course curriculum for graduate and post-graduate courses have been developed. The course contents and the courses have been formulated with slight modifications in the IV Deans Committee recommendations of ICAR within the permissible limits to suit the specific needs of Andhra Pradesh Horticulture. Hands on training in commercialisable technologies in Horticulture has been designed for two batches 14 weeks each, in the VII and VIII semesters of the B.Sc. (Hons.) in Horticulture.