

Dean's Message

The College of Agricultural Engineering and Technology was established by Navsari Agricultural University in 2012-13 at Dediapada with an aim to ignite interest towards education and scientific temper among the tribal community residing in the Narmada district of South Gujarat.

Agriculture still remains the back bone of Indian economy mainly because of existing bio diversity in various agro climatic situations of the country. Globally India remains a significant player in food production contributing to the global food security. The real challenges are to sustain these productivity levels for food and nutritional security while providing employment opportunities to the youth.

India has more than 50% population below 25 years of age and more than 65 % below 35 years of age. Whereas, as per the International Labour Organization (ILO) estimates of 2022, agricultural sector provided employment to 42.86 % of the total employment in India, whereas contribution of agricultural sector on Indian economy is only 18%. The investment in Agricultural Education and Research specially in Agricultural Engineering is still meagre as per the attention it draws in the developed world, where there are diminishing boundaries between various faculties of Agriculture achieving higher productivity levels.

The potential of Agricultural Engineering in most of the states of India still remains under-utilized, the productivity of most of the crops have been reaching maximum achievable limits under the given set of agro climatic situations and soil conditions, even with the adoption of all the technological improvements if Agriculture through crop varieties, fertilizer doses, plant protection measures and agronomical practices. To achieve still higher growth rates, application of Agricultural Engineering technologies from pre sowing operation to post harvest technologies remains the only option for the country. Within the nation, the leading states in Agriculture sector are utilizing the potentials of Agricultural Engineering in various ways.

Our institution dedicated to excellence in education, research, innovation, and extension in the field of agricultural engineering and technological advancement come together to strengthen modern agriculture and rural development. In the present era of rapid scientific and technological progress, the integration of Agricultural Engineering plays a crucial role in improving sustainable agricultural development, agricultural productivity, resource management, food processing, environmental sustainability, rural prosperity and mechanization for the benefit of society.

Agricultural Engineering education empowers students to deal with Farm Mechanization, Water Conservation, Irrigation and Drainage, Watershed Management, Food Processing and Post-Harvest Technologies, Non-Conventional Energy Sources, Farm Structures and all basic courses of Engineering as well as Agriculture. A skilled engineer is always in demand in

private sector, Non-Government Organizations (NGO), working on watershed issues. Use of drones, operation and maintenance of drones, Artificial Intelligence, use of Sensors, remote application of irrigation, use of satellite imageries for estimation of crop loss, damage, diseases using GIS software's are very much in the domain of Agricultural Engineering. Job avenues are always there in industries dealing in tractors, farm machinery, processing, food packaging, and irrigation industries. Young Turks having their own farmlands may also empower themselves to get initiated for becoming entrepreneurs and modern farmers.

Our faculty is dedicated to providing quality education, advanced research opportunities, and practical training that prepare students to meet the evolving challenges of agriculture and allied industries. Through interdisciplinary learning, modern laboratories, field exposure, and industry interaction, we aim to develop competent engineers capable of contributing effectively to sustainable agricultural growth.

The Faculty of Agricultural Engineering is committed to academic excellence, research-driven development, and extension activities that directly benefit farmers, industries, and rural communities. We believe that the integration of engineering principles with agricultural sciences is essential for ensuring food security, environmental protection, and economic progress.

In addition to classroom education, students get the opportunity to work in the state of laboratories, field trips, educational tours. The college nurtures the hobbies of students by facilitating them to take part in sports and games, cultural activities, debates and literary events held round the year. Sincere and hardworking young students having interest in farming should avail the opportunity of technical education in picturesque and calm surroundings of Dediapada.

I warmly welcome students, parents, researchers, alumni, industry partners, and all stakeholders to our institution. Together, let us work towards innovation, sustainability, and technological advancement for a better agricultural future.

With best wishes,

Dr. S. N. Singh