

FUTURE PLAN

DEPARTMENT OF PROCESSING AND FOOD ENGINEERING

❖ **Teaching:**

- ✚ Teaching Post Graduate programme (M. Tech/Ph. D. in Agricultural Engineering) and Under Graduate (Agricultural Engineering) in the discipline of Processing & Food Engineering.
- ✚ To give enhance practical exposure to the students through practical experience and field trainings.
- ✚ Technological up-gradation in teaching methodology.
- ✚ To prepare the Practical manuals for the various subjects of the Departments

❖ **Research:**

- ✚ Development and Modernisation of Processing and Food Engineering laboratory with advance sophisticated Instruments/Equipments/Machineries.
- ✚ Taking up research programs addressing the problems related to Processing and Food Engineering sector.

❖ **Extension:**

- ✚ To arrange various training programs, conferences, symposiums and workshops etc. in the particular area of Processing and Food Engineering.
- ✚ Enhancing interaction with farmer community to recognise the practical problems.
- ✚ Transfer of technology on the post harvest processes in the various activities relevant to Central and state governments, Farmers and Industries.
- ✚ Faculty members of the departments are always engaged during ***Mera Gaon Mera Gaurav, Krushi Mahotasav*** and ***Krushi Mela*** and NGO Programs as an Agricultural Scientist & Taluka Nodal Officer (TNO) at different Villages of nearby villages of Narmada District of Gujarat.

❖ **VISION:**

- Sustainable post-harvest technology
- Reducing wastage across handling of fresh produce after harvest.
- Increasing percentage level of value addition of farm produce.
- Maintaining eating quality and marketing system.
- Fortified/ combination analogs of rice, dal, grits etc.
- Extraction of high value compounds from processing by-products
- Demand for new food (organic foods, nutraceuticals food, health foods, age awareness and portion control products)
- To aware and promote the eco friendly Packaging system for the various agricultural produce.
- Small scale food park unit.
- Agro processing unit.
- To accelerate Importance of Seed certification and standardization.
- Improve nutritional food facts, food security and to overcome the health hazards.
- Innovation in the Agricultural value addition technique with the cold chains formulation.
- Promote Agricultural Food Processing sector's scope, importance and opportunities for the future generation of the rural community.
- There is a need of economically viable technology that can turn this 'waste' into 'worth'.
- Demand for environmental friendly materials in fabrication of machines.
- Infrastructural facilities i.e. College of Food Technology are proposed
- Polytechnic in Agro processing.
- Assistance for setting R & D laboratories for processing and Food Engineering Department.
- Miscellaneous problem-solving research project with the correlated departments for the proper orientation of university scientific community.