



કૃષિ શિક્ષણ યુનિવર્સિટી

NAVSARI AGRICULTURAL UNIVERSITY

# Vision 2050



કૃષિ વિજ્ઞાન સ્વ વિકાસ :

COLLEGE OF AGRICULTURE  
WAGHAI

**COLLEGE OF AGRICULTURE**

NAVSARI AGRICULTURAL UNIVERSITY, CAMPUS: WAGHAI

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## **INTRODUCTION:**

*Humanity faces numerous challenges and most of them are linked to food security of the exploding population which is expected to cross the 9 billion mark by 2050. Globally, the contribution of agriculture to Gross Domestic Product (GDP) is declining, but agriculture still supports the livelihood of more than 2.6 billion people in the world, living mostly in rural areas.*

*The world as a whole is undergoing several transformative changes. Growing population, changing lifestyles, expanding urbanization and accelerated climate changes are creating new challenges for the agricultural research system. Whereas in the past, the challenge was to supply adequate food, but now it is to provide adequate nutrients to promote health; and in the future, the challenge would be to provide optimal nutrients based on individual's genetic profile. Fortunately, along with challenges, the developments in science are creating new avenues for tackling the challenges.*

## **College of Agriculture, Waghai 2050**

*The College of Agriculture, Navsari Agricultural University, Waghai established in 2012, though in its infancy, established in 2012 is marching ahead with leaps and bounds to develop skilled human resource to face complex challenges and to harness domestic and global opportunities for the welfare of the farmers, consumers and other stakeholders in food supply chain. The efforts would be to become a leading institution in State, India and the world, which is responsive, vibrant and sensitive to the needs of its stakeholders in a view of challenges of climate change.*



## Vision

*Strive to be a top class institution of learning dedicated to excellence in Agricultural Science, Industrial Technology and Allied fields, Research and Development, Extension and for global competitiveness and co-operation.*

## Mission

*To train the youth and instill in them, the zeal, vision and dedication to stimulate human welfare and agricultural development.*

## Focus

*To accomplish the vision and the mission of the College of Agriculture, Waghai to give highest priorities to farmers, and formulate a strategy based on the development of skilled human resource which caters needs of farming community. Reform existing class room agricultural education so as to make it more skill based system through practical exposure. It would concentrate on following key areas.*

- Mitigate challenges of climate change.*
- Promote repositories of genetic resources related flora and fauna for their sustainable utilization.*
- Exploration of diversity of flora and fauna including microbial fauna available in the forest ecosystem of the area and utilize them for nutritional and sustained livelihood.*





- *Promotion of organic farming/natural farming with special emphasis on recycling of agricultural waste and residue free agriculture.*
- *Ensure strategic competitive advantage organic cultivation/natural farming to enable access to the existing and emerging markets and address the emerging challenges*
- *Promote economic opportunities for the rural tribal community and society*
- *Promoting allied enterprises like mushroom cultivation, beekeeping, value addition, processing etc.*
- *Resource conservation with respect to soil and water.*
- *Value added agriculture including post harvest management.*
- *Protected cultivation for efficient use of resources.*
- *Exploration of diversity of medicinal plants available in forest area of the region.*
- *Development and promotion of small hand tools suited to hilly agriculture.*
- *Processing of Hill Millet crops like Nagli, vari etc.*
- *Exploring the use of nano particles in agriculture. Development and promotion of nano particle based fertilizers and pesticides.*
- *Respond proactively to the farmers and other stake holders.*
- *Transform agricultural extension system to cater location specific needs of the farmers.*
- *Linkages and collaboration with public and private, national and international organization to trained students.*



## Strategies:

- Exploring diversity of mushroom, standardizing mass production protocol and large scale spawn production
- Establishment of soil and water testing laboratory for optimum utilization of resources.
- Exploring diversity of honeybees and other pollinators and utilizing them for pollination service.
- Exploring diversity of microbial pathogen available in the forest ecosystem and mass production of potential pathogen.
- Establishment of bio-technology laboratory with tissue culture and other basic facilities.
- Establishment of post harvest technology unit for value added product from Nagli and other fruit crops of the area.
- Establishment of plug nursery and net/poly houses for protected cultivation and for production of quality planting material.
- Research on medicinal plants available
- Development of technologies for organic waste management and organic crops of organic district The Dangs.
- Development of technologies for
- Research on Agro forestry and development of JFS modules for the tribal farmers of the area to mitigate climate change and sustainability of agriculture
- Exposure of students through RAWE/ STUDENT READY and collaboration of KVKs to make them more farmers friendly.





- *Development of Entrepreneurship in students through Experiential Learning and Hands on Training*
- *Organization of training programmes on development of personality and entrepreneur skills in students*
- *Establishment of incubation centers for incubating the students for the start ups.*
- *New educational and learning systems and environments.*
- *Establishing linkage with Academia-Industry-Government linkages to develop competent human resource to meet the challenges of growing industries.*
- *Identification, Development and Popularizing Hill Machinery for Natural Farming in Dang District*
- *Demonstration of Hill millet processing machinery to the farmers and other stake holders and popularizing it.*
- *Establishment of Nano technology based research laboratories.*