



**Five days Training programme on**  
**“Alternative Farming Systems to Improve the Learning Skills in Agronomy”**  
**Under NAHEP-IDP during February 24-28, 2020**

**Organized by**  
**Department of Agronomy**  
**College of Agriculture**  
**JAU, Junagadh**

**Venue**  
**Conference Hall, College of Agriculture**  
**Junagadh Agricultural University**  
**Junagadh**

## **About the training**

Green Revolution transformed the country from a food-deficit state to self-sufficiency during early 1970s by adoption of modern methods and technology such as seeds of high yielding varieties, chemical fertilizers, irrigation facilities, pesticides, farm machineries, public investment and facilitating institutions. But indiscriminate and excessive use of chemicals during this period has put forth a question mark on sustainability of agriculture in the long run calling attention for sustainable production which will address soil health, human health and environmental health and eco-friendly agriculture. The constant search for better farming resulted in the development and promotion of different farming systems from different parts of the world. For example, Traditional farming, Natural farming, Biodynamic farming, Homa-farming, Organic farming, Chemical farming, Permaculture-farming, Natueco farming and Zero budget farming. These various systems focused on different issues of farming.


## **Themes for technical session**

- Diversification and intensification in agriculture for doubling farmers' income
- Organic farming: The way forward for agriculture in India
- Biodynamic agriculture, Yogic farming, *Amrut Krushi* and *Kamdhenu Krushi Tantra*
- Natural farming: Myths and reality
- Microirrigation and mulching for enhancing water use efficiency
- Micronutrients, nanofertilizers and biofortification
- Precision agriculture and conservation agriculture for resource conservation
- Integrated farming system for doubling farmers' income

**PROGRAMME SCHEDULE**  
**Vocational Training on**  
**“Alternative Farming Systems to Improve the Learning Skills in Agronomy”**  
**(February 24-28, 2020)**

<b>Date</b>	<b>Time</b>	<b>Topic of lecture/practical</b>	<b>Speaker</b>
24-02-2020	08:00 to 09:00	Registration and Breakfast	
	09:00 to 10:30	Inauguration of Function	
	10:30 to 11:00	Tea Break	
	11:00 to 12:00	Alternative farming systems to sustain productivity and soil health	Dr. R. K. Mathukia, Professor & Head (Agronomy), JAU, Junagadh
	12:00 to 13:30	Lunch Break	
	13:30 to 15:00	Weed management in organic farming	Dr. V. Nepalia, Retd. Professor & Head (Agronomy), MPUAT, Udaipur
	15:00 to 15:15	Tea Break	
	15:15 to 16:45	Diversification and intensification in agriculture for doubling farmers' income	Dr. Teekam Singh, Senior Scientist (Agronomy), IARI, New Delhi
	16:45 to 18:15	Hands-on training on: Preparation of <i>Panchagavya</i> , <i>Jivamrut</i> , <i>Bijamrut</i> , <i>Amrut mati</i> , <i>Agniastra</i> , <i>Brahmastra</i> , <i>Neemastra</i> etc.	Dr. S. K. Chhodavadia, Assistant Professor (Agronomy), JAU, Junagadh
25-02-2020	09:00 to 10:30	Organic manures, biofertilizers and green manuring for reducing chemical fertilizers	Dr. D. M. Patel, Associate Professor (Agronomy), SDAU, S.K.Nagar
	10:30 to 11:00	Tea Break	
	11:00 to 12:30	Biodynamic agriculture, Yogic farming, <i>Amrut Krushi</i> and <i>Kamdhenu Krushi Tantra</i>	Dr. P. H. Patel, Associate Professor (Agronomy), SDAU, S.K.Nagar
	12:30 to 14:00	Lunch Break	
	14:00 to 15:30	Visit to model organic farm	Mr. Hitesgbhai Domadia, Village-Kathrota
	15:30 to 15:45	Tea Break	
	15:45 to 18:00	Hands-on training on: Apiculture entrepreneurship	Mr. Sandipbhai Thummar, Village-Vadal (Eco Temple Farm)
26-02-2020	09:00 to 10:30	Microirrigation and mulching for enhancing water use efficiency	Dr. R. G. Patil, Retd. Research Scientist (Soil & Water Management), NAU, Navsari
	10:30 to 11:00	Tea Break	
	11:00 to 12:30	Micronutrients, nanofertilizers and biofortification	Dr. K. P. Patel, Retd. Principal & Dean, BACA, AAU, Anand
	12:30 to 14:00	Lunch Break	
	14:00 to 16:00	Low cost natural farming: Myths and reality	Dr. K. D. Mevada, Associate Professor (Agronomy), AAU, Anand
	16:00 to 16:30	Tea Break	

	16:30 to 18:00	Visit to Integrated Farming System Model Farm	Dr. R. M. Solanki, Agronomist, JAU, Junagadh
27-02-2020	09:00 to 10:30	Integrated farming system for doubling farmers' income	Dr. N. Ravishankar, Principal Scientist (IFS), IIFSR, Modipuram
	10:30 to 11:00	Tea Break	
	11:00 to 12:30	Organic farming: The way forward for agriculture in India	Dr. A. R. Kaswala, Associate Professor (Horticulture), NAU, Navsari
	12:30 to 14:00	Lunch Break	
	14:00 to 15:30	Organic certification, marketing and Government policy	Dr. D. D. Patel, Professor & Head (Agronomy), NAU, Bharuch
	15:30 to 16:00	Tea Break	
	16:00 to 18:00	Hands-on training on: Vermicompost preparation	Dr. V. B. Bhalu, Assistant Professor (Agronomy), JAU, Junagadh
	28-02-2020	09:00 to 10:30	Precision agriculture and conservation agriculture for resource conservation
10:30 to 11:00		Tea Break	
11:00 to 12:30		Biocontrol agents	Dr. K. B. Rakholia, Professor & Head (Plant Pathology), NAU, Navsari
12:30 to 14:00		Lunch Break	
14:00 to 15:30		Hands-on training on: Biopesticides entrepreneurship	Dr. D. M. Jethwa, Associate Professor (Agril. Entomology), JAU, Junagadh
15:30 to 16:00		Tea Break	
16:00 to 18:00		Plenary Session & Feedback	

  
(R. K. Mathukia)  
Professor & Head