

For further Information please contact

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Department of Irrigation & Drainage Engineering  
**College of Agricultural Engineering & Technology**  
Vasantnaik Marathwada Krishi Vidyapeeth  
Parbhani-431402 (M.S), India

**Application for ICAR Short Course on**

**Micro-irrigation & Fertigation Technology For  
Enhancing Input Use Efficiency**

**November 23-December 02, 2015**

1. Full Name (in block letters) : \_\_\_\_\_
2. Sex : M/F : \_\_\_\_\_
3. Date of Birth : \_\_\_\_\_
4. Present Basic Pay : \_\_\_\_\_
5. Designation : \_\_\_\_\_
6. Official Address : \_\_\_\_\_
7. Residential Address : \_\_\_\_\_
8. Contact Details : Tel. (Office) \_\_\_\_\_ Tel(Res) \_\_\_\_\_  
Cell No.: \_\_\_\_\_ Fax : \_\_\_\_\_  
E-Mail : \_\_\_\_\_

9. Academic Qualification

Degree	Subject	University/ Institute	Year of Passing	CGPA or % of Marks	Class/Medal

10. Experience (Years):  
a) Teaching : b) Research : c) Extension/ outreach :
11. Major area of specialization :
12. Number of full length papers published in Journals :
13. Number of externally funded ad-hoc research projects :  
a) as PI: b) as Co PI:
14. ICAR sponsored short course/winter/summer school attended earlier, if any :

Sr.No.	Course Title	Organizer	Dates

15. Requirement of TA & DA : Yes /No
16. Details of the IPO amounting to Rs 50/-:
15. Signature of the applicant:

16. Recommendation of the competent Authority with signature and seal:

Deadline: Filled up application form should reach on or before 10<sup>th</sup> October , 2015

To,  
The Course Director, Short Course on MFT-IUE,  
College of Agricultural Engineering and Technology  
VNMKV, Parbhani-431402 (M.S)



**CALL FOR APPLICATION**

Short Course On  
**Micro-irrigation &  
Fertigation Technology For Enhancing  
Input Use Efficiency**

**November 23-December 02, 2015**

Course Director  
**Dr. U.M. Khodke**

Course Coordinators  
**H.W. Awari  
S.B. Jadhav**



• Venue •

**College of Agricultural Engineering & Technology**  
Vasantnaik Marathwada Krishi Vidyapeeth  
Parbhani-431402 (M.S), India



## The Short Course

ICAR (New Delhi) sponsored short course entitled "Micro-irrigation and fertigation technology for enhancing input use efficiency" is being organized during 23<sup>rd</sup> November to 2<sup>nd</sup> December, 2015 at College of Agricultural Engineering & Technology, Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani (Maharashtra). The main aim of the short course is to impart advance training to the scientists working in ICAR/SAUs/KVKs system and to improve their skills in the area of micro-irrigation and fertigation techniques through lectures and demonstrations in the laboratories and farms. The basic areas will include natural resource management through micro-irrigation and fertigation, recent advances in micro-irrigation, automation, fertigation technology, water and fertilizer use efficiency, decision support system for irrigation and fertilizer scheduling, eco-friendly management of water and fertilizers through micro-irrigation and fertigation technology for various cropping systems in the state and in India.

## Content of the short course

The short course will include lectures/tutorials (theory and practical) by the expert faculties in the area of Natural Resource Management with an aim to meet the future challenges of water scarcity in agriculture and adopting suitable measures for sustainable irrigated agriculture. The increased water scarcity, competition for water among various sectors with increasing urban areas along with extreme temperatures and draught conditions has placed tremendous pressure on the water resources and the livelihood of farming communities. Hence efficient utilization of water resources through advanced precision technologies like micro-irrigation coupled with fertigation is essential. Water and fertilizers can be managed more efficiently through micro-irrigation and fertigation with optimum production levels for many crops. The short course

will broadly cover the topics on micro-irrigation: basic concepts, recent advances, crop specific layouts of irrigation systems, soil-plant and climate based water requirements and irrigation scheduling, fertilizer requirements and integrated fertilizer management, filters and filtration systems, fertigation concept and techniques for enhancing water and nutrient use efficiency, automation in micro-irrigation and fertigation.

## The Host University/Organization

The Vasant Rao Naik Marathwada Krishi Vidyapeeth (formerly known as Marathwada Agricultural University), Parbhani (Maharashtra) was established on 18<sup>th</sup> May, 1972 and since its inception, it has contributed worthwhile to R&D and HRD in agriculture sector. This university is ICAR accredited and embodies academically strong man power sensible of research, education, extension and ground realities in agriculture field. The university has the jurisdiction of eight districts of the Marathwada region of Maharashtra state.

Presently, this university has 12 constituent and about 40 affiliated colleges imparting education in Agriculture, Agricultural Engineering, Food Technology, Home Science, Horticulture, Biotechnology and allied sciences, nine constituent and 53 affiliated agricultural technology schools/agricultural polytechnics, 12 research stations, 22 AICRPs, 4 RAEE centers, 3 KVKs and a ATIC, which are distributed in the region to cater the needs of agricultural education, research and extension. Further, the University has entered into the joint venture with the reputed National and International institutes viz. ICAR, BARC, ICRISAT, CICR, DBT, CIAE, MAHYCO, IMD, NRC, KSL etc.

Established in the year 1986, the College of Agricultural Engineering & Technology imparts education through B. Tech., M. Tech. and Ph. D. Degree programmes and cater the needs of research and extension in various sectors of Agricultural Engineering.

## Connectivity to the venue

Parbhani city a district head quarter is well connected with other parts of the country by air, rail and roads. The nearest airports are Aurangabad (200 km by road, 175 km by rail) and Hyderabad (378 km by road, 303 km by rail). Parbhani Junction railway station is connected with trains to Mumbai, New Delhi, Hyderabad, Bangalore, Nagpur and Pune.

Parbhani is on the national highway No.222 (Kalyan-Nirmal) and also central place for visit to three Shiv Jyotirlingas (Aundha, Parali and Ghrushneshwar), holy place of Huzur Sahib Gurudwara (Nanded), Ajanta and Ellora Caves (Aurangabad). The weather prevailing during the tenure of this course will be healthy and pleasant.

## Participants and their eligibility

Participants should possess at least a Masters degree in Agricultural Engineering/Agronomy/Soil Science/Horticulture) with at least two years of teaching/research experience and working on not below the rank of Scientist/Assistant Professor in ICAR/SAUs/KVKs/other public academic institutions. The maximum intake capacity of short course will be only upto 25 participants and the selection of candidates will be made as per available ICAR guidelines.

The boarding, accommodation and To and Fro travelling allowances of the selected participants will be met from ICAR fund as per the norms and operational guidelines for organization of short course. Participants will be paid to and fro fare for travelling allowances restricted to AC-III tier train fare or semi-deluxe bus from the place of duty to the short course location on the production of actual fare tickets by the participants. The participants will be provided shared accommodation in the teachers' hostel/guest house of the University.

## How to apply?

Eligible and interested candidates should submit their application online using CBP portal (<http://iasri.res.in/cbp> or [cbp.icar.gov.in](http://cbp.icar.gov.in) or under the link capacity building programme at [www.icar.org.in](http://www.icar.org.in)). After filling online application, the candidate should take printout of the application form, obtain the recommendation of the competent authority of his/her organization on it. Finally the scanned copy of the same should be uploaded through CBP portal latest by 10<sup>th</sup> October, 2015. Confirmation of selected candidates will be sent through email upto 15<sup>th</sup> October 2015. However the advance copy of the application (in enclosed format) may be sent directly to the Course Director/Course Coordinator. After the candidates are intimated of their selection, they should immediately reply with firm acceptance by 20<sup>th</sup> October 2015.