

**Proceedings of the Training Program on**  
**ICT for Effective Knowledge and Extension delivery for Climate Smart**  
**Agriculture and Water Management Technologies**  
**11 - 12<sup>th</sup> June, 2019**



### **About the Training**

India is the fastest growing country in the world in terms of population and currently its population is above 17.74 % of the total world population. There is a need to increased production and productivity to meet the food demand of constantly growing population. Climate Smart Agriculture (CSA) is “agriculture that sustainably increases productivity, enhances resilience (adaptation), reduces/ removes GHGs (mitigation) where possible, and enhances achievement of national food security and development goals (FAO 2013). In the present scenario of changing climatic satiation agriculture extension play a major role in dissemination of demand driven agricultural technologies for the farmers at individual or organizational levels. Now a days extension systems use Information and Communication Technology (ICT) tools for the efficiently and rapidly dissemination of agricultural technologies for wider area. Hence it is need to be strengthening the maximum awareness about Information and Communication Technology (ICT) tools for rapidly and widely dissemination of demand driven agricultural information. In this direction, Center for Advanced Agricultural Science and technology for Climate Smart

Agriculture and Water Management, MPKV, Rahuri organized two day training programme on **“ICT for Effective Knowledge and Extension delivery for Climate Smart Agriculture and Water Management Technologies”** on 11-12<sup>th</sup> June, 2019 at Seminar Hall, Dr. ASCAE&T, MPKV, Rahuri with the following objectives,

- To orient the participants on the concept of ICTs
- To enhance knowledge of the participants about different ICT tools and their applications in CSA & WM
- To improve different skills required for Audio-video and photography using android Mobile

### **Participants:**

98 participants including scientists, faculty members, officers and students (M.Sc./M.Tech and Ph.D.) in agriculture and allied disciplines.

### **Proceedings of the Training**

Dr. A. L. Pharande, Dean(F/A) Director of Instruction, MPKV, Rahuri and the Chief Guest of the inaugural ceremony while inaugurating the training program and briefing the importance of the ICT in agricultural sector and in rural development with its instantaneous use to reach the unreached.



**Dr. A. L. Pharande, Dean(F/A), MPKV, Rahuri and the Chief Guest,  
Training programme delivered inaugurating speech**

Dr. S. D. Goarantiwar, Principal Investigator, CAAST –CSAWM, MPKV, Rahuri the Guest of Honor, explained the various ongoing activities of the CAAST –CSAWM project, while expressing the need of the training program and also emphasized the benefit of the ICT tools.

Earlier Dr. M. C. Ahire, Head, Deptt. of Extension Education and Training Organizing secretary, CAAST –CSAWM, MPKV, Rahuri introduced the dignitaries and delegates of the training program.



**Dr. M. C. Ahire, Head, introduced the dignitaries**

Dr. P.A. Turbatmath, Associate Dean, PGI, MPKV, Rahuri , Dr. Shridhar Patil, Assistant Professor cum Junior Scientist, Bihar Agriculture University, Sabour, Dr. M. B. Dhadwad, Assistant Professor, MPKV, Rahuri , Dr. S. N. Ghadge, Research Associate (EE&C) , CAAST –CSAWM, MPKV, Rahuri anchored and Dr. S. A. Dhenge, Research Associate (SS) , CAAST –CSAWM, MPKV, Rahuri proposed a formal vote of thanks for the inaugural session.

## **First Day**

### **Lecture -1**

The first theory lecture began with a briefing on the ICT based weather and agro advisory services for climate smart agriculture and water management by Dr. Shridhar Patil, Assistant Professor cum Junior Scientist, Bihar Agriculture University, Sabour. He explained the concept of climate smart advisory services, Agro-met & climate advisory service in India, Types of forecasts provided by IMD, Weather data dissemination and management in Climate smart advisory services, Impact of GKMS & other weather based agro-advisory initiatives, Big Data Analytics.





**Dr. Shridhar Patil, Assistant Professor cum Junior Scientist delivered lecture**

## **Lecture -2**

In the second lecture Dr. Shridhar Patil elaborated the concept of ICT for climate smart agriculture and water management with the practically.

## **Lecture -3**

This was followed by a presentation on ICT tools climate smart agriculture and water management by Dr. M. B. Dhadwad, Assistant Professor, MPKV, Rahuri explained the Role of ICTs in CSA, ICT Tools for CSA, Interactive expert system , Web Portals, Websites, Best-Fit Considerations.



**Dr. M. B. Dhadwad, Assistant Professor delivered lecture**

## **Lecture -4**

In lecture four Dr. M. B. Dhadwad, Assistant Professor, practically elaborated the concept of ICT Tools for Climate –Smart Agriculture and Water Management , how to make online questionnaire schedule.

## **Second Day**

## **Lecture -5**

Another expert presentation was by Shri. Bhushan Kulkarni, Knowledge bridge, Ahmednagar elaborated Audio recording Device Different types of microphone Audio recording and editing.



**Shri. Bhushan Kulkarni delivered lecture**

### **Lecture -6**

Shri. Bhushan Kulkarni explained the concept of audio processing, mp3 making, types of video with the theory cum practically.

### **Lecture -7**

Shri. Bhushan Kulkarni give detail presentation on rules of photo and video shooting tricks and technique

### **Lecture -7**

This was followed by a presentation on complete video editing uploading to youtube and finalizing video dubbing and titling by Shri. Bhushan Kulkarni

For this purpose, the participants were invited to record their voice by singing or speech and recorded voice should edit properly and then uploaded on the youtube by one by one participants.

### **Valedictory session**

The valedictory session illuminated the training with the graceful presence of Dr. S. D. Gorantiwar, Principal Investigator, CAAST –CSAWM, MPKV, Rahuri as the Chief Guest. While speaking on the occasion Dr. Gorantiwar expressed how best all can benefits of the training on ICT tools for climate smart agriculture and water management. Dr. M. C. Ahire, Head, Deptt. of Extension Education and Training Organizing secretary, CAAST –CSAWM, MPKV, Rahuri stressed on participants must be maximum use of ICT tools that can turn extend this climate smart agriculture and water management technologies knowledge to ultimate users. Dr. M.G.Shinde, Co-Principal Investigator, CAAST –CSAWM, MPKV, Rahuri, Dr. P.S. Bodake, Chief Scientist and Account and Finance Officer, CAAST –CSAWM, MPKV, Rahuri. The training concluded with Dr. S. N. Ghadge, Research Associate (EE&C) anchored and proposed vote of thanks by Dr. S. A. Dhenge, Research Associate (SS), CAAST –CSAWM, MPKV, Rahuri





**Valedictory session**



**Participants involved in training activities**



**Certificate awarded to the participants**



**Participants share experience**