

## **Feed The Future India Triangular Training (FTF ITT) Program**

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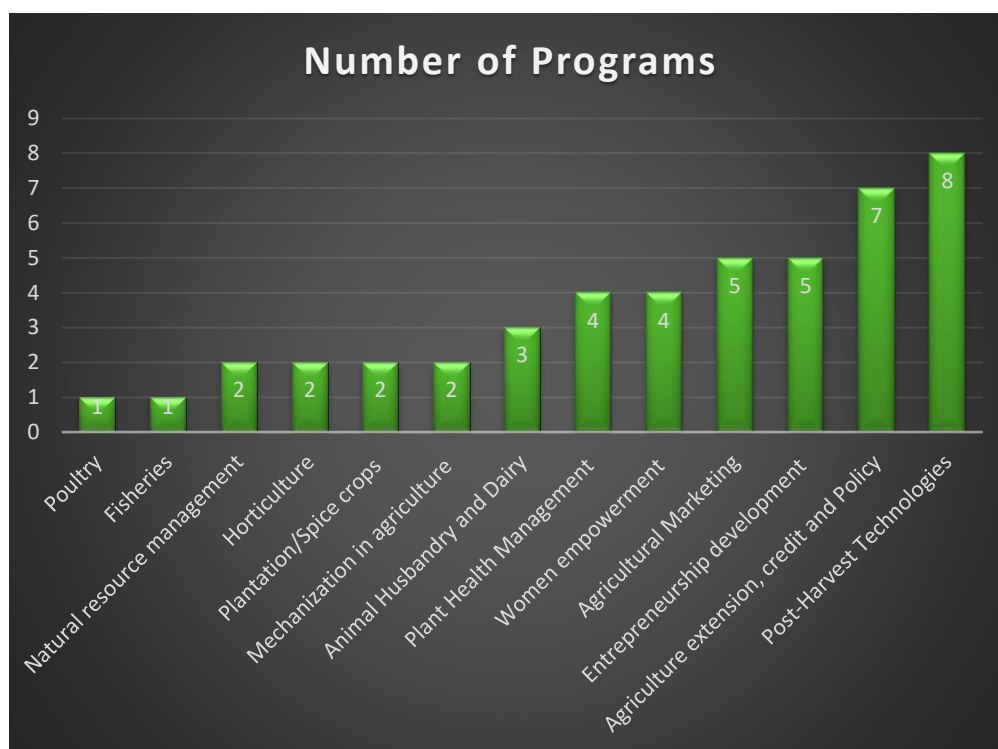
### **1. Summary of FTF ITT**

New dimensions in agricultural extension were implemented in 2013-14 jointly by the National Institute of Agricultural Extension Management (MANAGE), Hyderabad and National Institute of Agricultural Marketing (NIAM), Jaipur. Both these institutes together conducted seven training programs covering 219 executives from three African countries Kenya, Liberia and Malawi.

The program in its new form under the name of Feed the Future India Triangular Training (FTF ITT) Program implemented by the National Institute of Agricultural Extension Management (MANAGE), Hyderabad has made a bigger impact in terms of the number of countries covered from Africa and Asia and the training themes covered to address the training and capacity development needs of the beneficiary countries. With the conclusion of 34<sup>th</sup> FTF ITT program on "ICT Applications in Agricultural Extension Management (Farmers Call Centre)" during 11 - 25<sup>th</sup> March, 2019 at MANAGE, Hyderabad the program completed 3/4<sup>th</sup> of the targeted number of trainings. Hence, this summary of FTF ITT is being published in this issue.

Since the inception of the FTF ITT training program in 2016, thirty four (34) trainings have been successfully completed by MANAGE unto March, 2019. These 34 trainings programs covered







thirteen themes (figure 1). For the announcement of next phase of FTF ITT Programs, six training topics were identified after discussion with USAID-India.



**Figure 1.** Number of programs conducted covering various themes

The forthcoming training programs include; ‘Entrepreneurship development’ (Agribusiness – Startup to Scale up at MANAGE, Hyderabad); one under ‘Post-Harvest Technologies’ (Post-harvest Technology in Agricultural Crops at ICAR-Central Tuber Crops Research Institute (CTCRI), Trivandrum, Kerala, India); one under ‘Integrated Management Strategies for major crop Pests & Diseases in Developing countries at MANAGE, Hyderabad in collaboration with ICAR-Indian Institute of Maize Research, Hyderabad, Telangana, India) will be conducted. Moreover, two new themes: ‘Climate Smart Agriculture’ and ‘Training on Agroforestry: Policy, Practice and impact’ have been identified trainings under which are to be held at ICAR - Central Research Institute for Dry land Agriculture (CRIDA), Hyderabad and World Agroforestry Centre, New Delhi respectively.

## 2. Announcements of six International Training Programs under Feed The Future India Triangular Training (FTF ITT)

Program	Dates	Institutes	
"Agri-Business and Management"	18 <sup>th</sup> June -2 <sup>nd</sup> July, 2019	National Institute of Agricultural Extension Management (MANAGE), Hyderabad, India.	
"Agribusiness – Startup to Scale up"	10 - 24 <sup>th</sup> July,2019	National Institute of Agricultural Extension Management (MANAGE), Hyderabad, India.	
"Climate Smart Agriculture "	August, 2019	ICAR - Central Research Institute for Dry land Agriculture (CRIDA), Hyderabad & at National Institute of Agricultural Extension Management (MANAGE), Hyderabad, India	
"Post-harvest Technology in Agricultural Crops"	16-30 <sup>th</sup> September, 2019	ICAR-Central Tuber Crops Research Institute (CTCRI), Trivandrum, Kerala, India.	
"Training on Agroforestry: Policy, Practice and impact"	October,2019	World Agroforestry Centre, New Delhi, India	
"Integrated Management Strategies for major crop Pests & Diseases in Developing countries"	November, 2019	National Institute of Agricultural Extension Management (MANAGE), Hyderabad, India Indian Institute of Maize Research, Hyderabad, Telangana, India	

### Participating Countries:

**Asia:** Afghanistan, Bangladesh, Cambodia, Lao PDR, Mongolia, Myanmar, Nepal and Sri Lanka

**Africa:** Botswana, Democratic Republic of Congo, Ghana, Kenya, Liberia, Malawi, Mozambique, Rwanda, Sudan, Tanzania and Uganda

### 3. Back at Work Plan stories from the FTF ITT alumni: Ecological Engineering for the control of millipede infestation in crops in Mozambique

Millipede's species are organic matter feeders. They play an important role in the breakdown and decomposition of plant litter. In field, millipede's feeds on plant leaves, crop debris and dried grass and its excreta improve the nutrient content of the soil. This soil is rich in nitrogen and organic matter. However, when millipedes do not find organic matter to feed, they start to feed on domesticated crops in farmer's field.

Mr. Joaquim Crimildo, Head of Rural Extension Services, Provincial Directorate of Agriculture and Food Security, Mozambique observed the similar problem in Chilacua valley (Massinga district, Inhambane province, Mozambique). Due to excess drainage of the crop fields witnessed dry conditions and subsequent loss of the habitat for the millipede. It lead to the millipede attack on the crops viz. banana fruits, vegetable and maize for feed. Now it has become a major pest and causing reduced yields in Chilacua valley.

Mr. Joaquim Crimildo got an opportunity to get trained on "Plant Health Management Technologies and Approaches" held during 4- 18<sup>th</sup> September, 2017 at National Institute of Plant Health Management (NIPHM), Hyderabad, Telangana. The program was held under the FTF ITT sponsored by USAID.

There was no recommended chemical pesticide to control this new pest. Various pesticides were introduced to control the pest, but they were ineffective to control the crop loss. He decided to work on this problem and he made it as an actionable work as part of his Back at Work Plan. He was motivated to help farmers to avoid the use of chemicals for the control of the pest using



**Millipede Pest on Banana Crop**

innovative Ecological Engineering method of "Pit Trap".

In order to control the pest, a "pit trap" was developed by Mr. Joaquim Crimildo based on the knowledge gained in India during the FTF ITT training program. He created a rectangular pit trap of size 100 X 100 X 60 cm (60 cm deep) and filled it with dried grass and crop debris up to 40 cm and irrigated it thrice a week.

Millipedes started getting attract by the smell of decomposition and they started to move into the pit. In the same way, many pit traps were created to trap the pest. The collected pests were

deconstructed by physical method on a regular basis. After decomposition of the crop debris, the organic matter produced by the millipede was used as organic compost.

After the successful pest management, he visited many infested fields in the area and suggested the farmers to adopt the “Pit trap” method. He also conducted the sensitization program on millipede pest management by Ecological Engineering method “Pit Trap”. He sensitized 15 extension workers and 10 small farmers.

### Outcome

1. Low cost method helped farmers to adopt and use local materials and local solutions to pest control.
2. Farmers learned that beside the chemicals there are number of local solutions for the pest control.

**Mr. Joaquim Crimildo**

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## 4. FTF ITT executives visit to Ministry of Agriculture & Farmers Welfare

A training program on "ICT Applications in Agricultural Extension Management (Farmers Call Centre) " was held at National Institute of Agricultural Extension Management (MANAGE), Hyderabad, Telangana, India during 11-25<sup>th</sup> March, 2019. Training covered the concept of Information and communication technologies (ICT's) and its role in Agriculture and rural development, advanced ICT' tools in Agriculture and allied sectors, impact of ICT's for farmer's welfare, case studies on ICT's and their implication in developing countries and introduction to the FCC (Farmer call center) setup. Module helped participants to get new insight into the ICT and its role in bringing desired change in agriculture and agricultural extension.

The first Feed The Future India Triangular Training (FTF ITT) Programme on “e-Extension: ICT Applications in Agricultural Extension Management” was held during 10–19<sup>th</sup> October, 2016 at Ministry of Agriculture, Irrigation and Livestock (MAIL) Kabul, Islamic Republic of Afghanistan. In this program, Seventy-one executives comprising of extension managers, ICTs officers,

communication specialists, officers from agriculture and allied sectors, change agents, heads of Projects under the MAIL representing all 34 provinces in Afghanistan participated. Faculty from Department of Agriculture, Kabul University and Senior Official from extension directorate, IT department and project in charge and IT internees from MAIL also actively participated. The program covered all major themes related to ICT applications in agriculture which include Govt. of India's programs, successful cases from the private sector and Global initiatives for effective delivery of extension and rural advisory services to farmers in the context of Afghanistan. Kisan Call Centre (Farmer Call Centre) was one innovation which impressed the trainees most. As per the trainees request one more training program focusing on Farmers Call Centre was conducted under FTF ITT at MANAGE. As part of this program, the Afghanistan and Nepal executives who are working on replicating the KCC in their respective countries were taken to the Ministry of Agriculture for demonstrating the real time operations of KCC.

Twenty three participants (19 from Afghanistan and 4 from Nepal) accompanied by the program director Dr. Mahantesh Shirur visited the Ministry of Agriculture & Farmers Welfare on 25<sup>th</sup> March, 2019. The team included call center operators, ICT Service General Manager and IT Director for whom the practical exposé was very useful. Mr. Arun Kumar, Director (Extension) and Mrs. Neeraj Suneja, Director (Admin) from the Ministry of Agriculture & Farmers Welfare, Govt. of India briefed about the Kisan Call Centre (KCC) to the delegation. Mr. Pawan Kumar Dudeja, Assistant National Head, Call Centre Management, IFFCO, Kisan Sanchar limited accompanied by the officials and technical staff from KCC showed the operations by bringing the KCC of Hyderabad, Kolkata and Jaipur online. The participants were shown as to how the caller data is being used.

The participants from the international program were appreciative of the strength of the use of IT in agriculture for both addressing the problem and as well as using the call related information to integrate into the decision-making system.



## 5. Post Graduate Diploma in Management (Agri Business Management) - PGDM(ABM)

The National Institute of Agricultural Extension Management (MANAGE) is an organization under Ministry of Agriculture & Farmers Welfare, Government of India. MANAGE has pioneered a two year Post Graduate Diploma in Management (Agri Business Management) - PGDM (ABM) in the year 1996. The Program is recognized by All India Council for Technical Education (AICTE), accredited by National Board of Accreditation (NBA) and has equivalency from Association of Indian Universities. The Program is ranked as No.1 Sectoral B-School in the country with 100% placements since inception. AICTE has accorded permission to MANAGE to admit foreign students into the Program from the academic year 2019-20. For more information details regarding the standing of the Program, course outline, admission procedure and other details pertaining to the Program please check our brochure attached. Link: <https://www.manage.gov.in/pgdmABM/pgdmABM.asp#>



## 4. Sneak peek into the upcoming issue of our bulletin

1. Many other stories from Back at Work Plan
2. Brief report on upcoming programs

### FTF ITT Training Program Overview

Total Number of Training Programs Completed: **34**

Number of executives trained till now: **887**

Male: Female: **542:345**

Number of Countries covered: **20**

#### Name of the countries:

**Asia:** Afghanistan, Bangladesh, Cambodia, Lao PDR, Mongolia, Myanmar, Nepal and Sri Lanka

**Africa:** Botswana, Democratic Republic of Congo, Ghana, Kenya, Liberia, Malawi, Mozambique, Rwanda, Sudan, Tanzania and Uganda

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