



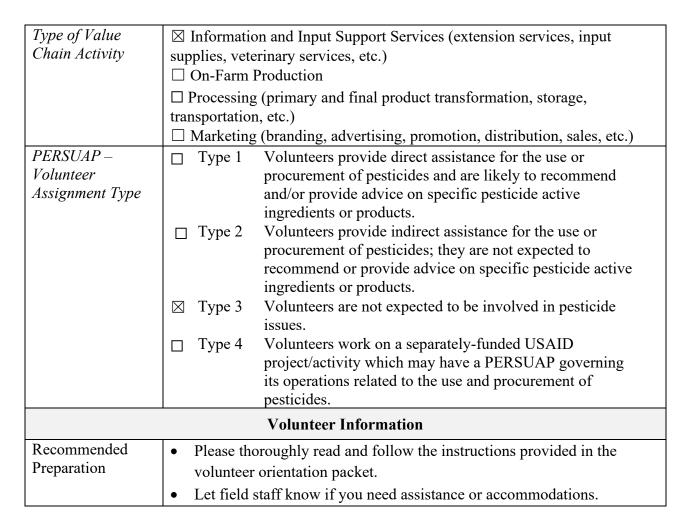
## FARMER-TO-FARMER Volunteer Assignment Form

Summary Information		
Assignment Code	TT69	
Country	Trinidad & Tobago	
Assignment Title	Micro-Irrigation Techniques	
Best dates for	After January 2023	
volunteer visit		
Host Organization(s)	MIC Institute of Technology (formerly Metal Industries Company Limited is an agency of the Ministry of Education established in 1974 as a joint venture of the Government of Trinidad and Tobago, the United Nations Development Programme / United Nations Industrial Development Organization (UNDP/UNIDO) and a number of private local industries. Having provided manufacturing support to customers through the design and production of high-quality tools, molds, precision machining and Manufacturing Engineering, MIC Institute of Technology has rebranded as a unique entity, operating as both a commercial factory and training institution. The MIC Training Programme follows the German Dual System of Technical Vocational Training and uses the Factory Training Concept where foundation theoretical and practical skills are developed in MIC Institute of Technology and mastery of these skills are developed in the industry under guided supervision of a skilled Supervisor or Master Craftsman. In 2016 MIC-IT started a Crop Production pilot programme which was approved in 2017 and is now being offered under its MuST programme. The MuST Programme offers trainees the opportunity to be exposed to various occupational and employability skills training within the priority sectors. The trainees are exposed to the real world of work and life skills training while at the same time learning a technical skill to gain sustainable employment.	
Assignment Information		
Objectives and Anticipated Results	In view of the limited availability of labour and water for agriculture and the debilitating effects of climate change on agriculture, many primary producers have been exploring micro-irrigation as a system to increase yields and decrease water, fertilizer, and labour requirements. In this regard, MIC would like to provide training for participants and staff in micro-irrigation which is a viable option for a low pressure, low volume irrigation system suitable for high-return value crops such as fruit and vegetable crops. The Institute is prepared to teach their staff and students these techniques as they see these skills as complimentary to their technological curriculum. Therefore, in response to this need, a volunteer is requested to provide staff and participant training in:	



	Introduction to micro-irrigation- design, management and
	maintenance
	Development of small micro-irrigation system
	During the training, the MIC team would like to develop a small micro- irrigation system for a vegetable plot as output from the training. Through this training, MIC staff and participants will be able to design, develop and maintain a small micro-irrigation system for a vegetable plot in order to produce food amidst the challenges of limited labour and water resources.
Expected	• Hands-on experience – planning and building a micro-irrigation system
Deliverables	for vegetable crops
	• Provide materials to members for all subjects
	• Debriefing with country staff and Purdue after assignment
	• F2F Assignment Report and F2F Recommendations Form to be
	completed at the end of the assignment (completed for debriefing with staff)
	• Sign-in sheets for training sessions (work with Field Coordinator)
	• One outreach activity (news article, interview, presentation, etc.) about your F2F activity.
	• If applicable, "like" the Purdue F2F Facebook and Twitter pages and
	share your experience.
Desired volunteer	<ul> <li>5 years of experience using irrigation systems</li> </ul>
skill/expertise	• Experience training adults in low-income communities
1	• Experience working in a developing country preferred
	• Flexibility
	Language: Proficient in English
Training Participants	About 15 staff and participants MIC Institute of Technology
Resources to be	Provide in-country transportation, office space for meetings, and
Contributed by	facilities for training and/or workshops; and
Hosts and Local	<ul> <li>Provide supplies, equipment, and other resources for training activities.</li> </ul>
Partners	<ul> <li>Access to computer, projector, and screen</li> </ul>
Farmer to Farmer	$\boxtimes$ Increase agricultural sector productivity and profitability
Objective(s)	$\boxtimes$ Improve conservation and sustainable use of environmental and natural
	resources
	Expand agricultural sector access to financial services
Tunner CIV 1	Strengthen agricultural sector institutions
<i>Type of Volunteer</i>	⊠ Technology Transfer
Assistance	□ Organizational Development
	□ Business/Enterprise Development
	Financial Services
	Environmental Conservation





FARMER

## **Project Overview**

Trinidad and Tobago is a two-island country of a diverse population with rich history and culture. As an island nation, it is under the constant mercy of changing climate that is affecting natural resources and agriculture. At present, it is a net food importing country forcing the government to refocus its attention on sustainable agriculture as a part of its 2030 country development strategy. The tropical climate and available natural resources, if used properly, can make the country self-sufficient in vegetables, root crops and some fruits with a provision to export value added products. It is an opportune time for F2F volunteers to engage with agriculture extension officers and farmers to impart knowledge and learn about the culture and endurance of Trinbagonians. The objective of the F2F Trinidad and Tobago Country Program is to improve food and nutrition security through productivity, safety, and profitability as well as strengthening the extension service through capacity building.