

Total Overview of the project
Model Agricultural Initiatives (I– IV)

Lunched Year	Objectives	Major Activities	Output/Outcomes	Lesson Learned	Case Study
2021/22	To identify agricultural market challenges and introduce ICT tools for farmers with training on ICT in Agriculture	Research on market chains; online training on ICT; felicitation of youth & women farmers	Market barriers identified hundreds of farmers trained via Zoom; recognition boosted motivation	Online platforms can reach diverse farmers but connectivity and digital literacy remain barriers	Progressive farmers in Chitwan used digital payments to connect with buyers
2022/23	Expand ICT-based services & provide physical training Collect, compile & disseminate info on grants, subsidies & support for farmers Advance ICT use for promotion & marketing of farm products Facilitate peasants in applying ICTs in agriculture Reward youths to encourage agriculture & value their work	mobile app development; physical ICT training; awards & felicitations	Farmers accessed subsidies & schemes; improved app usability; ; first agri-mobile app launched with multilingual support; practical adoption of e-commerce and digital payments	In-person training increases trust and adoption compared to virtual-only models	A young woman farmer from Kavrepalanchok improved her vegetable sales using price updates from the mobile app
2023/24	To strengthen institutional	MoUs with colleges & local governments; knowledge	Strengthened farmer-academic-	Partnerships enhance	Residential training in

	collaboration and scale ICT integration	sharing; ICT training in multiple districts; distribution of modern instruments; residential training, app modification (weather forecast, schemes);	government collaboration; farmers gained modern instruments; 60 youth farmers trained in Kathmandu	sustainability; student involvement brings fresh ideas; cost & access to ICT still barriers	Kathmandu brought together youth farmers from 8 districts to exchange practices
2024/25	To advance sustainable, AI-driven ICT solutions Trainings and expand rural outreach	Planned expansion of ICT training; training and fixing bugs of apps,	Broader farmer inclusion expected; offline tools for rural areas;	Need to balance high-tech with low-cost accessible solutions; rural ICT infrastructure is key	

Total Beneficiaries Analysis Sheet of Research

Model Agricultural Initiatives (I– IV)

Lunched Year	Research	Number of Researchers and Beneficiaries	Output/Outcomes	Lesson Learned	Case Study
2021/22	Study on agri-market chains & ICT app feasibility	5 researchers; 200+ farmers reached via Zoom	Identified barriers; first agri-app launching planned	ICT awareness possible even online, but network limitations restrict reach	A farmer from Dhading used pest-management info from the app to reduce crop loss
2022/23	Database of agri-facilities; app modification	6 researchers; 500+ farmers in physical training	first agri-app launched , Farmers accessed	Farmers prefer in-person guidance; feedback loop	Women farmers in Gulmi used the updated app to

			subsidy info; app usability improved	critical for ICT adoption	apply for subsidy programs
2023/24	Research on ICT with trainig and distribution of ICT Tools apps updates & effectiveness; feedback collection	8 researchers; 1,000+ farmers & 50 students engaged	MoUs signed; app updated based on farmer feedback; training scaled	Student involvement enriched ICT adoption ideas; instrument distribution boosted practice	Rapti farmers used distributed instruments with ICT guidance to increase yield
2024/25	Research on ICT with trainig and distribution of ICT Tools, apps updates and marketing/training & effectiveness; feedback collection	10 researchers; 1,500+ expected beneficiaries		Balance of affordability & tech is crucial; rural penetration requires offline-first design	Pilot AI-advisory on weather prediction for rice farmers (planned)

Total Beneficiaries Analysis Sheet of Award/Felicitation to Model Young and Women Farmer

Model Agricultural Initiatives (I– IV)

Lunched Year	Program	Number of Awardees/Felicitation	Output/Outcomes	Lesion Learned	Case Study
2021/22	Centrally	500	Nationwide recognition of young & women farmers; boosted morale and visibility	Centralized approach ensures wider coverage but less local engagement	A woman farmer from Chitwan gained market access for organic vegetables after award

2022/23	Centrally	369	Strengthened identity of model farmers; inspired replication of good practices	Need for stronger follow-up support to awardees	Young farmer from Morang expanded dairy cooperative post recognition
2023/24	Mixed Model: Centrally and with Collaborations of Municipality (Rapti, Mandan Deupur and Kageshwori Manohara Municipality)	376	Greater local participation; municipalities co-owned the program	Collaboration enhances sustainability, but coordination takes time	Rapti Municipality awardee introduced ICT-based tomato farming
2024/25	Collaboration with Five Municipality (Gaur, Rapti, Dhunibesi, Kageshwori Manohara and Mandan Deupur)	21/276	Stronger municipal-level ownership; localized recognition and targeted beneficiaries	Local collaboration increases impact but requires capacity building	Gaur Municipality youth awardee pioneered women-led rice seed production group

Total Beneficiaries Analysis Sheet of Technology Transfer/Distribution of Agricultural Technology

Model Agricultural Initiatives (III– IV)

Lunched Year	Program	Number of Receivers/Groups and types of Equipment	Output/Outcomes	Lesson Learned	Case Study
2023/24	Rapti-Chitawan, Kageshwori	58+20	Farmers happy to receive; reduced physical labor;	Hard to select beneficiaries as demand is high	A women's group in Dhurkot used power tiller to

	Manohara-Kathmandu Mandan Deupur-Kavre Dhurkot- Gulmi		saved time in cultivation & processing	and expectations differ	cultivate collective maize farming efficiently
2024/25	Gaur-Rautahat Rapti-Chitawan Dhunibeshi-Dhading Kageshwori Manohara-Kathmandu Mandandeupur-Kavre	21/276	Improved mechanization, timely planting & reduced post-harvest losses; encouraged youth to adopt agri-tech	Need for more training & after-service support; municipalities should co-finance distribution	In Gaur, a youth peasants used rice sprayer to spray organic pesticides in 10 hectares in very short time than the usual time