



University of Southern Mindanao
College of Engineering and Information Technology



IMPACT ASSESSMENT ON RVG 4 ICT: RURAL VILLAGES ON THE GO FOR INFORMATION AND COMMUNICATION TECHNOLOGY BENEFICIARIES IN BARANGAY MALAMOTE, KABACAN, COTABATO

A. BASIC INFORMATION

Project Title: RVG 4 ICT: Rural Villages on the Go for Information and Communication Technology

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Project Location: Barangay Malamote, Kabacan, Cotabato

Rationale and Background

The College of Engineering and Information Technology extension project entitled "RDV4ICT: Rural Villages on the Go for Information and Communication Technology" was conducted in Barangay Malamote, Kabacan, Cotabato. This project aimed to train the Barangay Officials, workers, and other stakeholders to become computer literate. A total of 30 participants in the conducted of series of training –workshops. The training module includes topics such as: Working on Computers, working with MS Word, MS Excel, MS PowerPoint, Basic Networking (Wired and Wireless), and orientation on Geotagging and Geo-visualization.

Both lectures and demonstrations were given on the different topics. A total of twelve (12) resource persons are involved with varying expertise from the College of Engineering and Information

Technology. During the training – workshop, the participants were assisted by the faculty and students who acted as facilitators in the said activity. After the lecture/demonstration, the participants were given activity to apply the knowledge they learned from the lecture/ demonstration.

The said project's impact needs to be assessed for us to be guided in doing future extension projects, services, and activities. The efficiency and effectiveness shall be established as baseline information and considered one of the best practices in implementing any extension project.

Hence, this research was conducted to assess the impact of the extension project entitled “RVG₄ICT: Rural Villages on the Go for Information and Communication Technology” of the College of Engineering and Information Technology to the Barangay Officials, Workers and Stakeholders of Barangay Malamote, Kabacan, Cotabato.

General objectives:

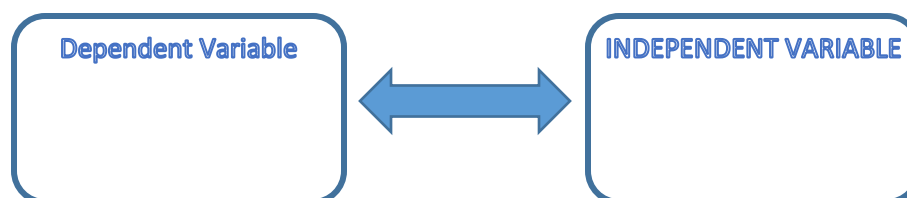
Assess the impact of RVG₄ ICT: Rural Villages on the Go for Information and Communication Technology to the Barangay Officials, workers, and stakeholders of Barangay Malamote, Kabacan, Cotabato.

Specific Objectives:

1. Identify the activities conducted in the project and the participation of the clientele/ beneficiaries;
2. Determine the changes in the participants’ knowledge, skills and attitude after the project participation; and
3. Evaluate the end results of the project beneficiaries’ accomplishments and the community after the project implementation.

Review of Related Literature

Conceptual Framework



Methodology

The project was conducted in the Barangay Malamote, Kabacan, Cotabato (see map below).

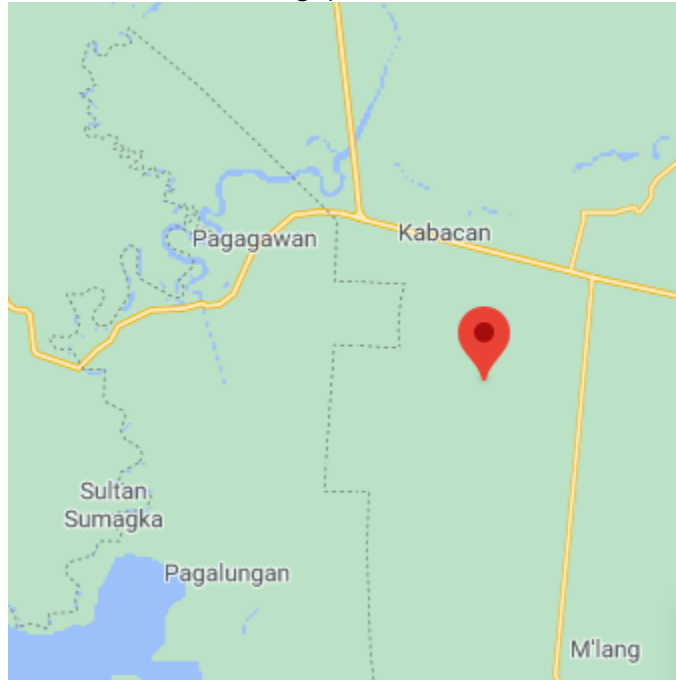


Fig.1. Map of the Barangay Malamote, Kabacan, Cotabato.

Research Design:

This research was a descriptive survey. A set of questionnaires used to gather data and information needed and was formulated. It focused on the beneficiaries' /clientele perception on the implementation of computer skills training – workshop conducted in Barangay Malamote, Kabacan, Cotabato.

Research Method:

The needed data were gathered from the respondents through survey questionnaire. The respondents were oriented how to fill out the questionnaire based on their knowledge and skills acquired in the training-workshop given to them through RVG4ICT project of CEIT.

Research instrument:

Prepared questionnaires and interviews used in gathering data of the study. The instrument was composed of different parts specifically: performance of the project in terms of the inputs used in the

implementation, the effectiveness of the computer literacy training –workshop, effectiveness and efficiency of the training – workshop, sustainability of the project, change in knowledge, attitudes and skills of the clientele after project implementation, and benefits gained by the clientele and the community itself after implementation.

Sampling Procedure

Simple random sampling was done in selecting respondents among the clientele/ beneficiaries in Barangay Malamote, Kabacan, Cotabato.

Collection of Data

The data was collected through scheduled interviews. To get the most reliable data, an interview was conducted personally among the respondents.

Data Analysis

The data gathered were collected and analyzed using descriptive statistics such as frequency counting and weighted mean.

Expected output

A baseline data on the impact of the implementation of computer literacy training – workshop on Barangay officials, workers and its stakeholders.

Target beneficiaries

The Barangay Officials, workers, and stakeholders of Barangay Malamote, Kabacan, Cotabato.

Potential Impact

Provide baseline data on the impact of the College of Engineering and Information Technology extension project entitled "RVG4ICT: Rural Villages on the Go for Information and Communication Technology.

Results and Discussion

Table 1. Overall Rating performance of the project in terms of the inputs (personnel and other resources) used in the implementation of the project entitled "RVG4ICT: Rural Villages on the Go for Information and Communication Technology".

My overall Rating for this training/activity	Weighted Mean	Verbal description
Meeting my expectations	4.75	Excellent
Attainment of the objectives	4.81	Excellent
The course content/topics	4.81	Excellent
Methodologies used	4.81	Excellent
Instructional materials / Presentation Aids	4.81	Excellent
Choice of Resource Persons	4.81	Excellent
Training Management Team and Secretariat	4.87	Excellent
Training Facilities and Services	4.81	Excellent
Overall Mean	4.81	Excellent

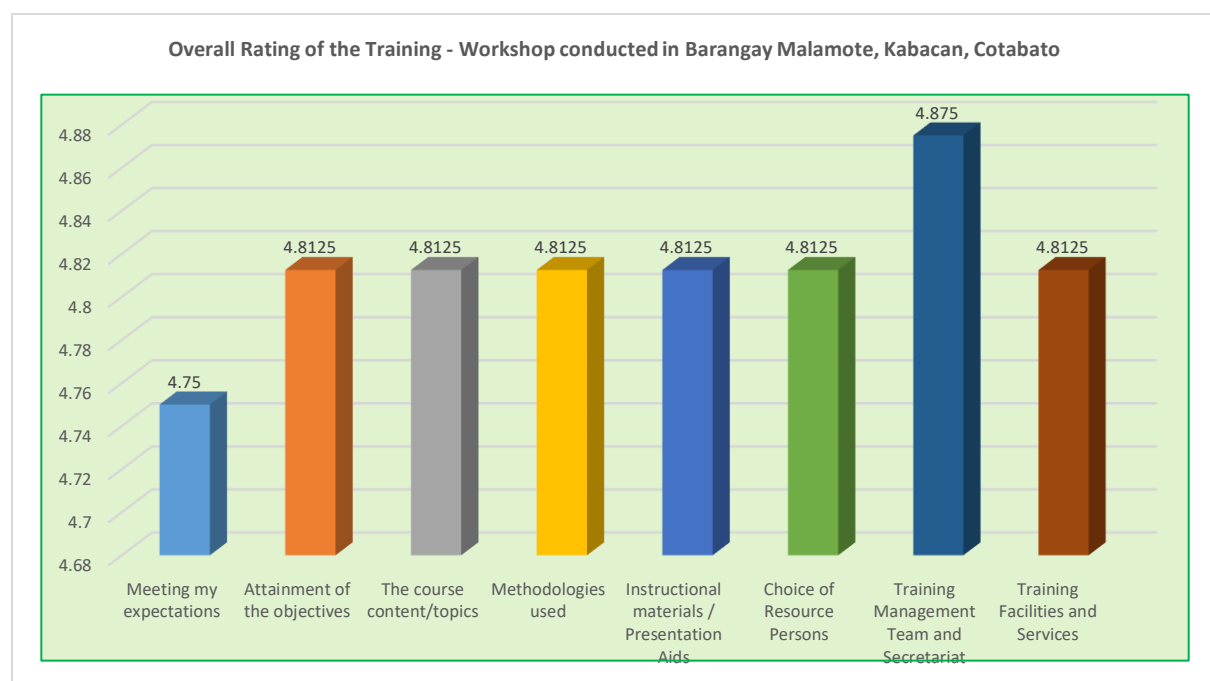


Fig.1. Overall Rating of the training-workshop conducted in the Barangay, Malamote, Kabacan, Cotabato.

The College of Engineering and Information Technology conducted six (6) training – workshops at Barangay Malamote, Kabacan, Cotabato last July 31, September 7, 14, 21, and 28,

and October 4, 2019. The training – workshops were participated by the Barangay Council, Health Workers, Day Care Workers, and other Barangay workers such as Clerk, Secretary, and Treasurer.

Figure 1 shows the client feedback on the training – workshops conducted namely: Working with MS Word and MS Excel, Making a PowerPoint Presentation, Training-workshop and implementation of Local Area Network, Connectivity for Remote Areas (ICRA), Web Presence, Participatory Mapping, and Geovisualization (PMG).

The clients who participated in the training-workshop activities appreciated most of the topic Making a PowerPoint Presentation and the accommodating Resource Person in their inquiries.

According to them, the most useful topic was Working with MS Excel. They also suggested that there should be more time for training.

As to assessment on time allocation per topic/activity and duration of the training, clients responded it as just right and the training – workshops were very relevant to them.

Figure 1 further shows an overall rating for the training – workshops. It shows that the Training Management and Secretariat achieved the highest rating of 4.875 which means Excellent, and an overall rating of 4.8125 which also means an Excellent.

Table 2. Resource Person evaluation.

Particulars	Rating	Verbal Description
Clarity of the topic / objectives at the beginning	4.92	Excellent
Organization / sequencing of the topics	4.67	Excellent
Clarity of topics / ideas presented / discussed	4.67	Excellent
Effectiveness of Methodologies used in teaching	4.83	Excellent
Quality and effectiveness of instructional aids / materials used	4.83	Excellent
Ability to teach / communicate ideas	4.83	Excellent
Ability to answer questions	4.83	Excellent
Ability to arouse / sustain interest	4.83	Excellent
Ability to manage time	4.67	Excellent
How the topic was ended	4.75	Excellent
Overall	4.72	Excellent

Figure 2 shows the client feedback on Resource Person delivering different topics in the project RVG4ICT: Rural Villages on the Go for Information and Communication Technology. It further shows an overall rating for the resource persons of 4.72 which also means Excellent.



Fig. 2. Resource Person Evaluation.

Rating:

- 1.00-1.49 Poor
- 2.50-2.49 Fair
- 2.50-3.49 Satisfactory
- 3.50-4.49 Very Satisfactory
- 4.50-5.00 Excellent

Methods and strategies in the program implementation

As shown in Table 3, various methods and strategies were used in the implementation of the College of Engineering and Information Technology in the extension project entitled “RVG4ICT: Rural Villages on the Go for Information and Communication Technology,” with emphasis on computer literacy training-workshop for the Barangay Officials, workers and its stakeholders of Barangay Malamote, Kabacan, Cotabato.

Results revealed that various methods and strategies were rated as very effective with weighted mean of 4.55.

Table 3. **EFFECTIVENESS** of the different methods and strategies used in the implementation of the project RVG4ICT: Rural Villages on the Go for Information and Communication Technology - **Computer Literacy Training – Workshop** at Barangay Malamote, Kabacan, Cotabato.

Methods and Strategies	Weighted Mean	Verbal Description
Consultations with the BLGU Officials	4.67	Very Effective
Series of Meetings (Planning, Tasking, etc.)	4.67	Very Effective
Seminar-Workshop	4.67	Very Effective
Technology Demonstration	4.67	Very Effective
Field Visit	4.67	Very Effective
Grand Mean	4.67	Very Effective

Rating:

- 1.00-1.49 Very Ineffective
- 2.50-2.49 Ineffective
- 2.50-3.49 Moderately Effective
- 3.50-4.49 Effective
- 4.50-5.00 Very Effective

Relevance of the Project

Table 4. **RELEVANCE** of the RVG4ICT: Rural Villages on the Go for Information and Communication Technology - **Computer Literacy Training – Workshop** as perceived by Barangay Officials, Workers and other Stakeholders in Barangay Malamote, Kabacan, Cotabato.

Indicators	Weighted Mean	Verbal Description

The project focused on the basic needs of the beneficiaries	4.50	Strongly Agree
The project provided the beneficiaries with good reputation and prestige in relation to other members of the community	4.50	Strongly Agree
The project has developed self-confidence to reach their goals of the members	4.50	Strongly Agree
The project is consistent with the mission/vision of the University	4.50	Strongly Agree
The project is consistent with the development goals of the province	4.50	Strongly Agree
The project provides multi-agency collaboration	4.33	Agree
The project is people initiated/managed	4.50	Strongly Agree
Grand Mean	4.47	Agree

Rating:

- 1.00-1.49 Strongly Disagree
- 2.50-2.49 Disagree
- 2.50-3.49 Moderately Agree
- 3.50-4.49 Agree
- 4.50-5.00 Strongly Agree

The efficiency of the Project

Table 5. **EFFICIENCY** of the RVG4ICT: Rural Villages on the Go for Information and Communication Technology - **Computer Literacy Training – Workshop** (Whether the inputs of the project were appropriate with the expected outputs).

Indicators	Weighted Mean	Verbal Description
The needs assessment was done to determine the needs of the community	4.33	Agree
The project was presented to the BLGU officials	4.50	Strongly Agree
The BLGU officials accepted the project	4.50	Strongly Agree
Project planning was participated by the clientele	4.50	Strongly Agree
The project enabled the beneficiaries to use their resources	4.50	Strongly Agree
Funds were allocated for the implementation	4.50	Strongly Agree
Vehicles were always provided for the extension activities	4.33	Agree
Grand Mean	4.45	Agree

Rating:

- 1.00-1.49 Strongly Disagree
 2.50-2.49 Disagree
 2.50-3.49 Moderately Agree
 3.50-4.49 Agree
 4.50-5.00 Strongly Agree

Table 6. **EFFECTIVENESS** of the RVG4ICT: Rural Villages on the Go for Information and Communication Technology - **Computer Literacy Training – Workshop** beneficiaries in Barangay Malamote, Kabacan, Cotabato.

Indicators	Weighted Mean	Verbal Description
The project has promoted awareness on Information and Communication technology	4.50	Very Effective
The project enabled the beneficiaries to acquire more knowledge and skills in computer operation	4.50	Very Effective
The program enabled the beneficiaries to acquire more knowledge and skills in MS Word processor.	4.50	Very Effective
The project enabled the beneficiaries to acquire knowledge in working with MS Excel	4.50	Very Effective
The project activities taught the beneficiaries skills in making presentation using MS PowerPoint	4.50	Very Effective
The project activities taught the beneficiaries skills in MS Word processor.	4.67	Very Effective
The project activities taught the beneficiaries skills in MS Excel.	4.33	Effective
The project activities promote the value of cooperativism for more productive undertaking.	4.50	Very Effective
The project activities raise the level of consciousness on available resources	4.50	Very Effective
The project enabled the program beneficiaries to engage in income generating projects	3.16	Moderately Effective
The project activities provide more access to educational opportunities	5.00	Very Effective
The program activities help achieve peace and harmony in the community	5.00	Very Effective
Grand Mean	4.47	Effective

Rating:

- 1.00-1.49 Very Ineffective
- 2.50-2.49 Ineffective
- 2.50-3.49 Moderately Effective
- 3.50-4.49 Effective
- 4.50-5.00 Very Effective

Table 7 shown that the respondents strongly agreed that the project of the College of Engineering and Information Technology, the RVG4ICT: Rural Villages on the Go for Information and Communication Technology sustainable due to service providers were committed to serving, beneficiaries are willing and interested to continue, and the leaders in the Barangay Malamote, Kabacan, Cotabato are eager to take over the responsibilities assigned to them.

Table 7. **SUSTAINABILITY** of RVG4ICT: Rural Villages on the Go for Information and Communication Technology - **Computer Literacy Training – Workshop** (Whether the project benefits are sustained after project withdrawal).

Indicators	Weighted Mean	Verbal Description
Service providers are committed to serving the community after the skill training implementation	4.83	Strongly Agree
The beneficiaries are willing to continue the program activities after project implementation	4.67	Strongly Agree
The Information and Communication Technology project becomes a permanent part of the community resource	4.50	Strongly Agree
The community leaders are willing to take over responsibilities assigned to them by the program	4.60	Strongly Agree
The RVG 4 ICT beneficiaries are interested in continuing the project	4.80	Strongly Agree
Grand Mean	4.68	Strongly Agree

Rating:

- 1.00-1.49 Strongly Disagree
- 2.50-2.49 Disagree
- 2.50-3.49 Moderately Agree
- 3.50-4.49 Agree
- 4.50-5.00 Strongly Agree

The ~~benefits~~ gained by the beneficiaries from the extension project of the College of Engineering and Information Technology entitled "RVG4ICT: Rural Villages on the Go for Information and Communication Technology" are presented in table 8. The Barangay Councils and workers were very satisfied in terms of knowledge and skills with a general weighed mean of 3.98. The beneficiaries responded that they gained additional knowledge in information and communication technology with a weighted mean of 4.16, in additional knowledge in computer operations and MS Word (4.00), additional knowledge in MS Excel and MS PowerPoint (3.83). In addition, their skills are improved in Computer Operation, MS Word, MS Excel and MS PowerPoint (4.00).

Moreover, the socio – economic benefits of the beneficiaries were moderately satisfied with a general weighted mean of 2.92. The beneficiaries responded that they were moderately satisfied in the Increase family income (3.00), able to send their children to school (3.00), learned new ICT techniques (3.16), able to acquire additional home appliances and/or vehicles (3.00), and able to go/attend for family recreation (2.62).

On the part of the community, the project was able to create job opportunities (3.83), reduced poverty (3.50) and increased community awareness on advantages of ICT (4.00) which means beneficiaries were very satisfied.

Table 8. BENEFITS gained by RVG4ICT: Rural Villages on the Go for Information and Communication Technology - **Computer Literacy Training – Workshop** beneficiaries and the community after the implementation of the project at Barangay Malamote, Kabacan, Cotabato province, 2019.

Indicators		Weighted Mean	Verbal description
On the part of the RVG4ICT: Rural Villages on the Go for Information and Communication Technology project beneficiaries			
A. Knowledge and Skills			
1	Gained additional knowledge in Information and Communication Technology	4.16	Very Satisfied
2	Gained additional knowledge in computer operations	4.00	Very Satisfied
3	Gained additional knowledge in MS Word	4.00	Very Satisfied
4	Gained additional knowledge in MS Excel	3.83	Very Satisfied
5	Gained additional knowledge in MS PowerPoint	3.83	Very Satisfied
6	Improve skills in Computer Operation	4.00	Very Satisfied
7	Improve skills in using MS Word	4.00	Very Satisfied

8	Improve skills in using MS Excel	4.00	Very Satisfied
9	Improve skills in using MS PowerPoint	4.00	Very Satisfied
	Mean	3.98	Very Satisfied
B. Socio-economic benefits			
1	Increase family income	3.00	Moderately Satisfied
2	Able to send their children to school	3.00	Moderately Satisfied
3	Learned new ICT techniques	3.16	Moderately Satisfied
4	Able to acquire additional home appliances and/or vehicles	3.00	Moderately Satisfied
5	Able to go/attend for family recreation	2.60	Moderately Satisfied
	Mean	2.92	Moderately Satisfied
C. On the part of the community			
1	Improved peace and order	4.00	Very Satisfied
2	Create job opportunities	3.83	Very Satisfied
3	Reduced poverty	3.50	Very Satisfied
4	Increased community awareness on advantages of ICT	4.00	Very Satisfied
Grand Mean		3.66	Very Satisfied

Rating:

- 1.00-1.49 Not at all Satisfied
- 2.50-2.49 Slightly Satisfied
- 2.50-3.49 Moderately Satisfied
- 3.50-4.49 Very Satisfied
- 4.50-5.00 Extremely Satisfied

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