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COMMUNITY DATABASE MANAGEMENT INTERVENTION FOR BARANGAY WORKERS

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Rationale

Community-based participatory action research is one way to help the community uplift their lives especially in today's competitive world. It is a collaborative approach to research that involves all stakeholders throughout the research process, from establishing the research question, to developing data collection tools, to analysis and dissemination of findings. It is a research framework that aims to address the practical concerns of people in a community and fundamentally changes the roles of researcher and who is being researched [1].

Rationale

As the basic political unit, the Barangay serves as the primary planning and implementing unit of government policies, plans, programs, projects, and activities in the community, and as a forum wherein the collective views of the people may be expressed, crystallized and considered, and where disputes may be amicably settled [2].

Rationale

Barangay Offices caters the everyday needs of the community. Therefore, a record keeping is very important. Everyday transactions starts from issuing permits, certifications to the tedious keeping tracks of the records, capture and maintain up-to-date records of all issuance transactions and daily, monthly, yearly reports. These records are sufficient for various purposes that required an appropriate, consistent and secured storage of files.

Rationale

    With the aim to increase the knowledge of the barangay workers coming from the different barangays of Pontevedra subjected to the training with regards to the Database Management System. In this way, the participants will be equipped with technological knowledge and skills and most importantly to lessen the burden of the work of the barangay workers as well as to render quality services to their respective clienteles.

Objectives of the Study

The study aimed to measure the following:

1. Respondents use technology in terms of:

    a. Internet/entertainment

    b. Programme/Software

2. Respondents' level of confidence with the use of technology in terms of:

    a. Routine tasks

    b. Internet tasks

    c. High level tasks

Objectives of the Study

3. Attitude of the respondents towards Information and Communications Technology (ICT)

4. Significant difference on the skills of the respondents in using database management software before and after the training

Objectives of the Study

5. Impact of the study on:

- Level of satisfaction of the beneficiaries;

- Degree of relevance of the training program to the current situation;

- Degree of usefulness of the training program participated to the awareness and knowledge of the topics presented;

- Level of implementation of the training program acquired; and

- Overall Degree of Usefulness of Training/Program Attended/Participated

Framework

Before
(Proficiency) ➔ Intervention
(Training) ➔ After
(Proficiency)

Methods

PROJECT DESIGN & IMPLEMENTATION	PARTNER ENGAGEMENT	DATA COLLECTION	DATA ANALYSIS	REPORTING
❖ Identify research/ extension topic, questionnaire, goal, and geographic focus	❖ Identify research/ extension partners and invite them to collaborate	❖ Choose and implement the research/ extension data collection methodology	❖ Analyze the results	❖ Report the results

DOCUMENTATION, COMMUNICATION, & EVALUATION THROUGHOUT PROCESS

Community-Based Participatory Action Research Process Model (Burns JC, 2011)

Results and Discussion
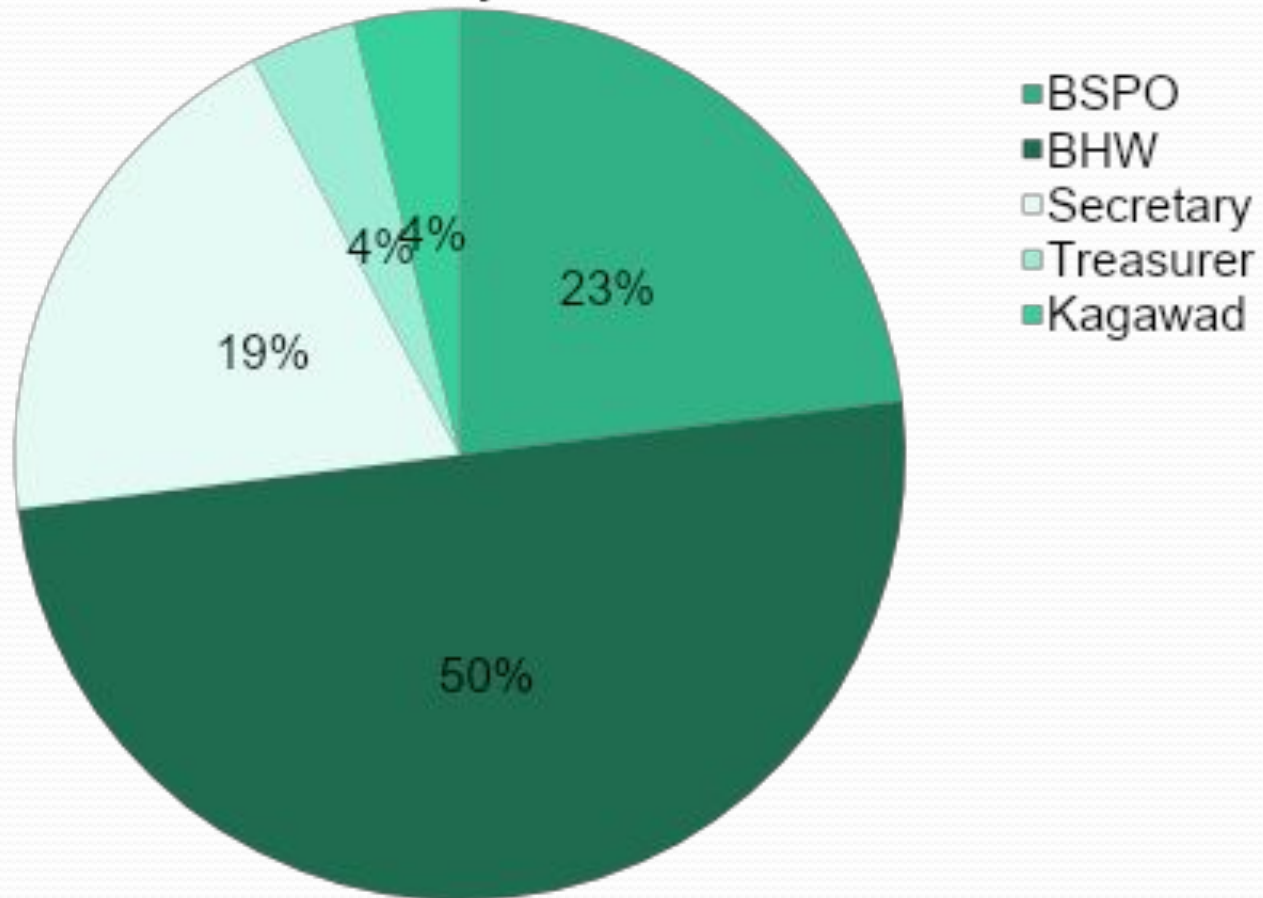
Participants

- BSPO
- BHW
- Secretary
- Treasurer
- Kagawad

23%

50%

19%

4% 4%
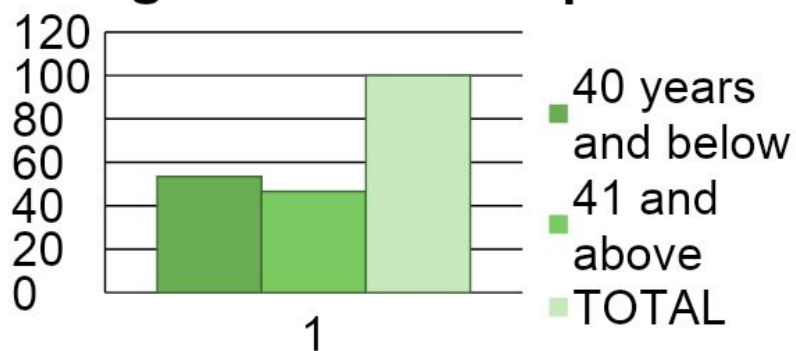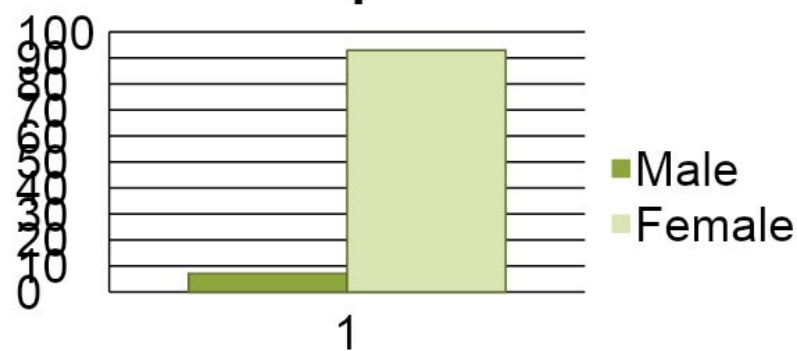
Results and Discussion
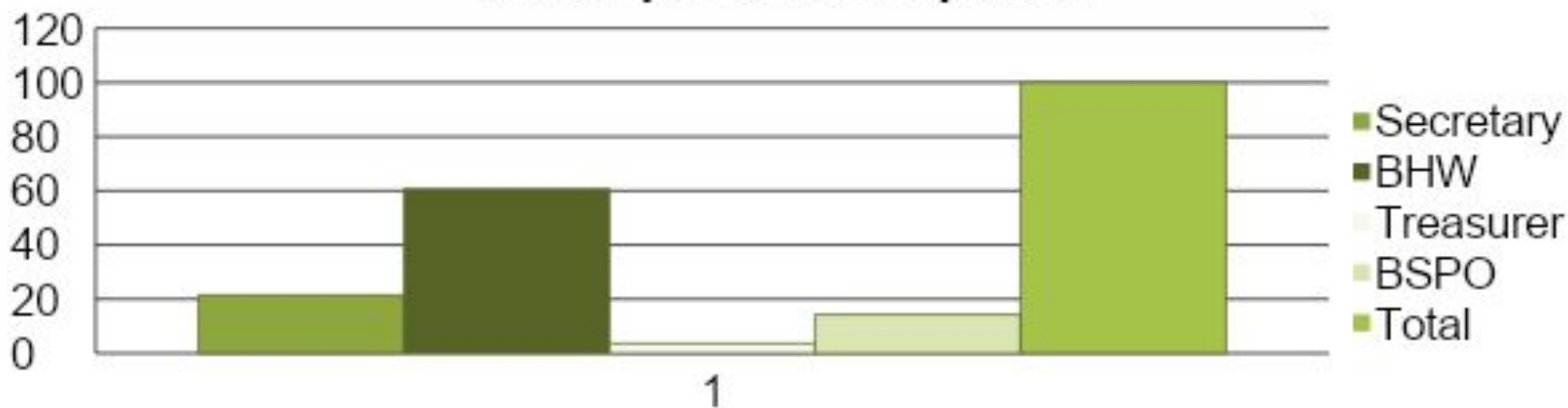
Results and Discussion

Participant's Marital Status

Single
Married
Total

Participant's Income
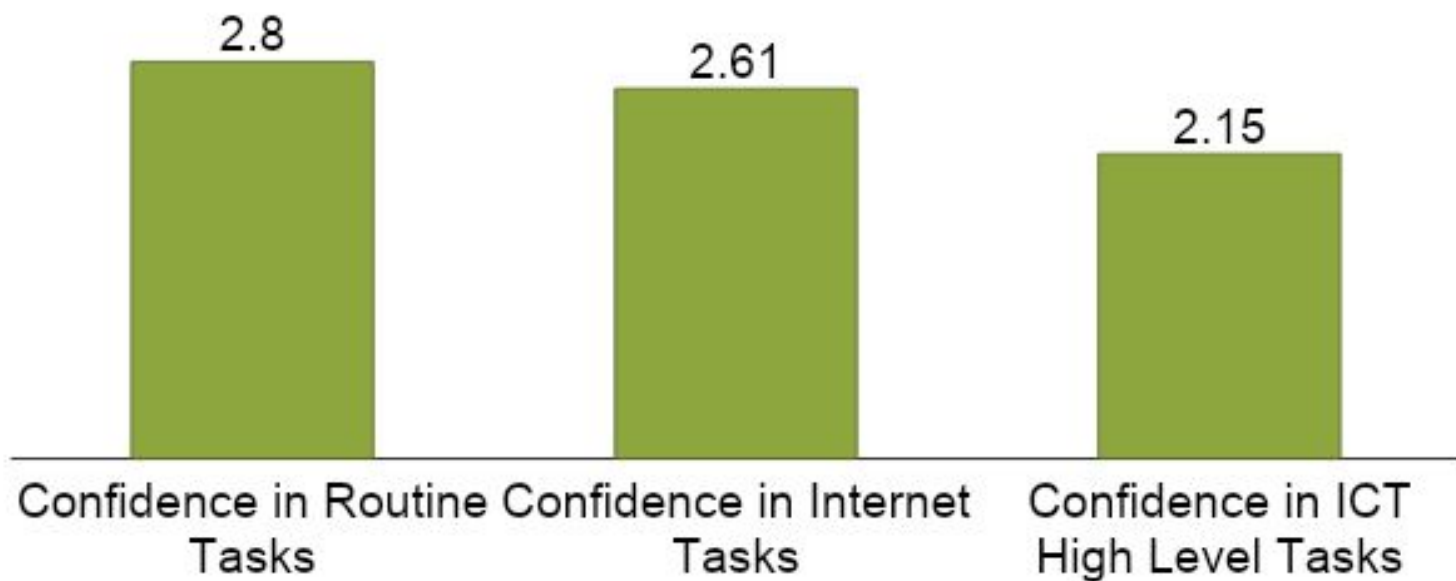
1,000-3,000
3,001-6,000
6,001-9,000
Total
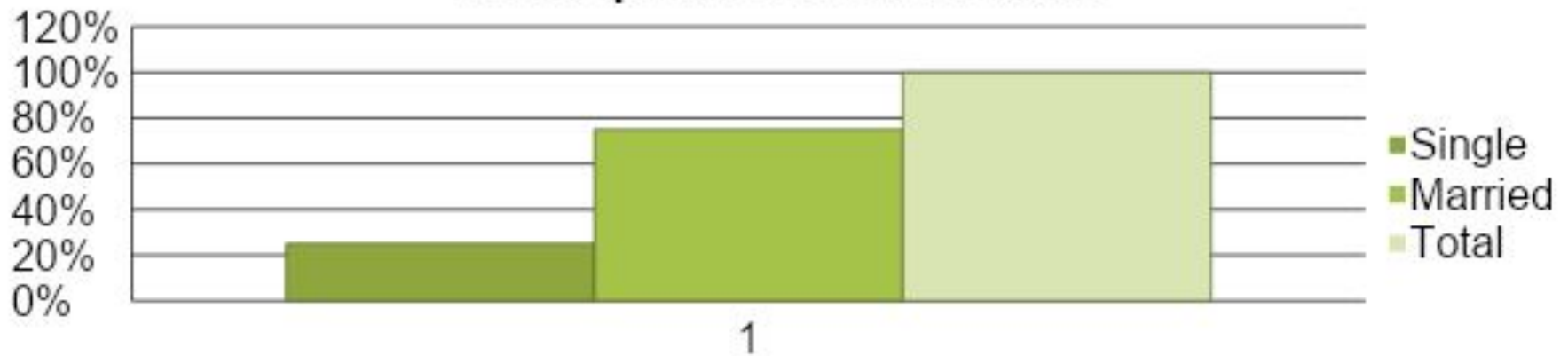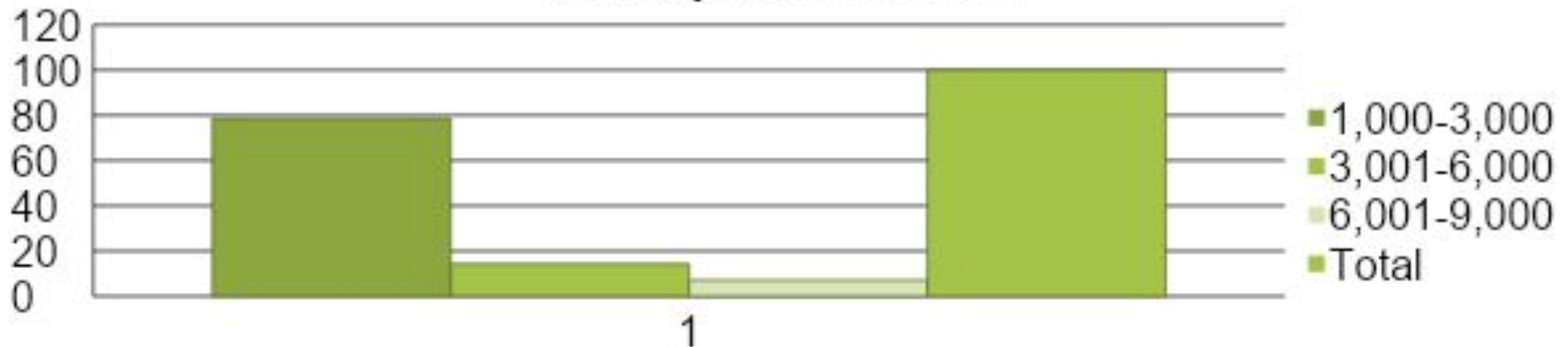
Results and Discussion

Information and Communications Technology (ICT) Use
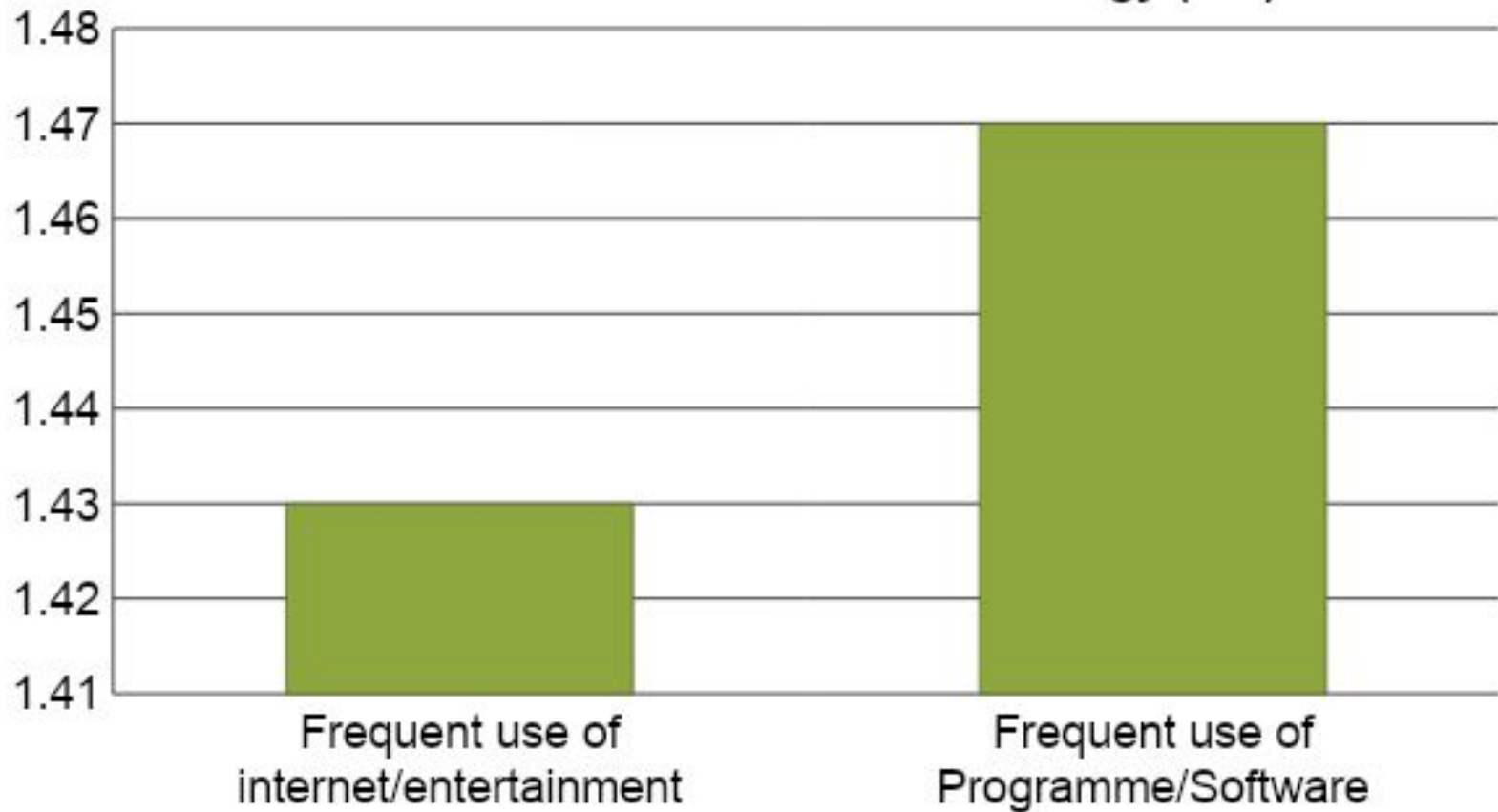
Results and Discussion
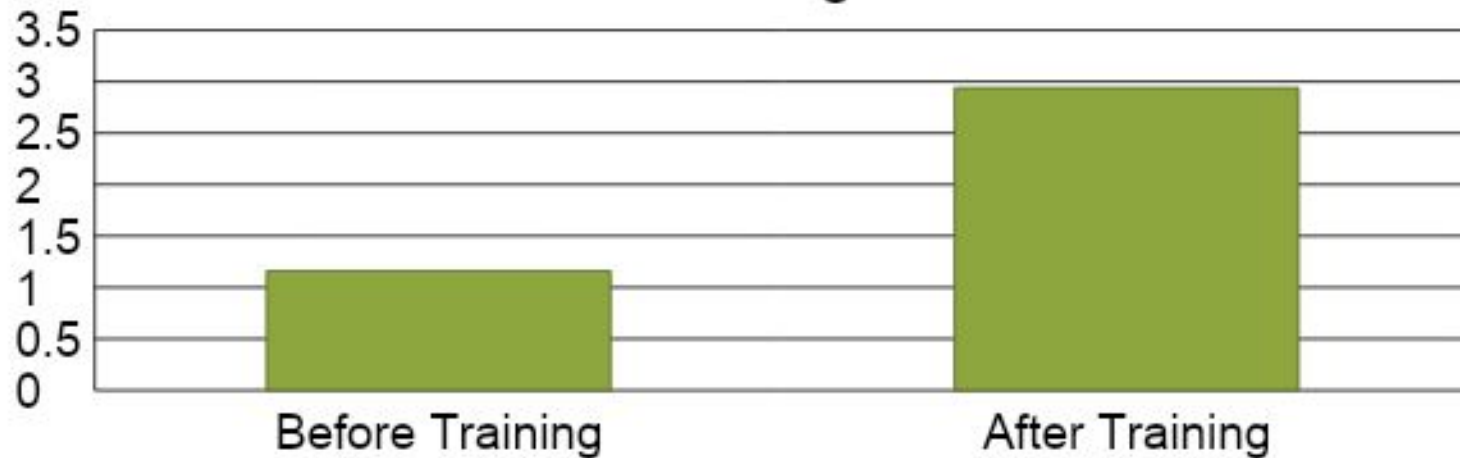
Self Confidence in Information and Communications

2.8 — Confidence in Routine Tasks

2.61 — Confidence in Internet Tasks

2.15 — Confidence in ICT High Level Tasks

Results and Discussion

Attitude Towards Computers
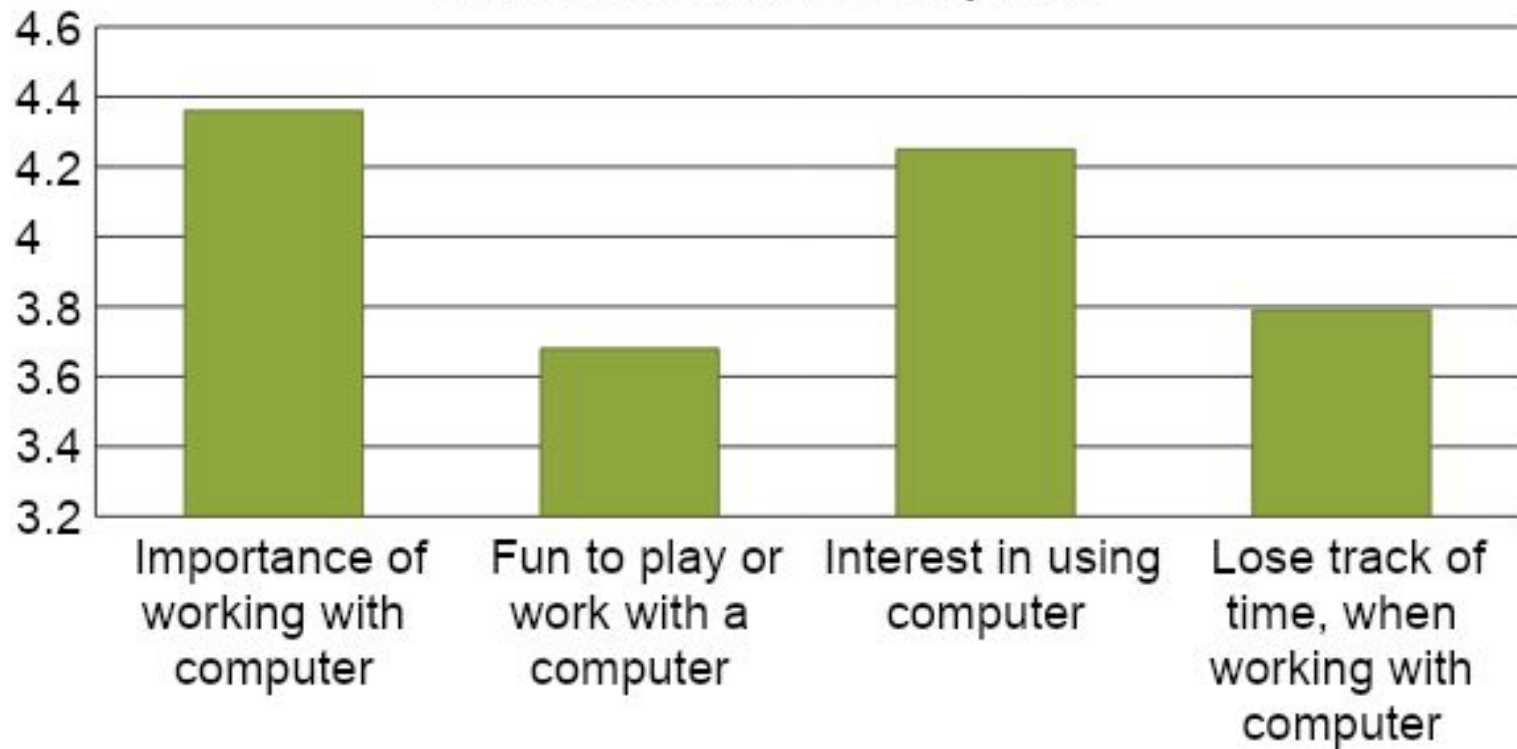
Results and Discussion

Wilcoxon Mean Comparison Before and After the Training

Results of the Training			
Before the training	After the Training	Mean difference	Verbal Interpretation
1.16	2.94	1.78	Slightly proficient

Impact of the Study

Results and Discussion

Figure 1.Level of Satisfaction of the Beneficiaries of the Training Program of COEAS - Computer Education Department of Capiz State University
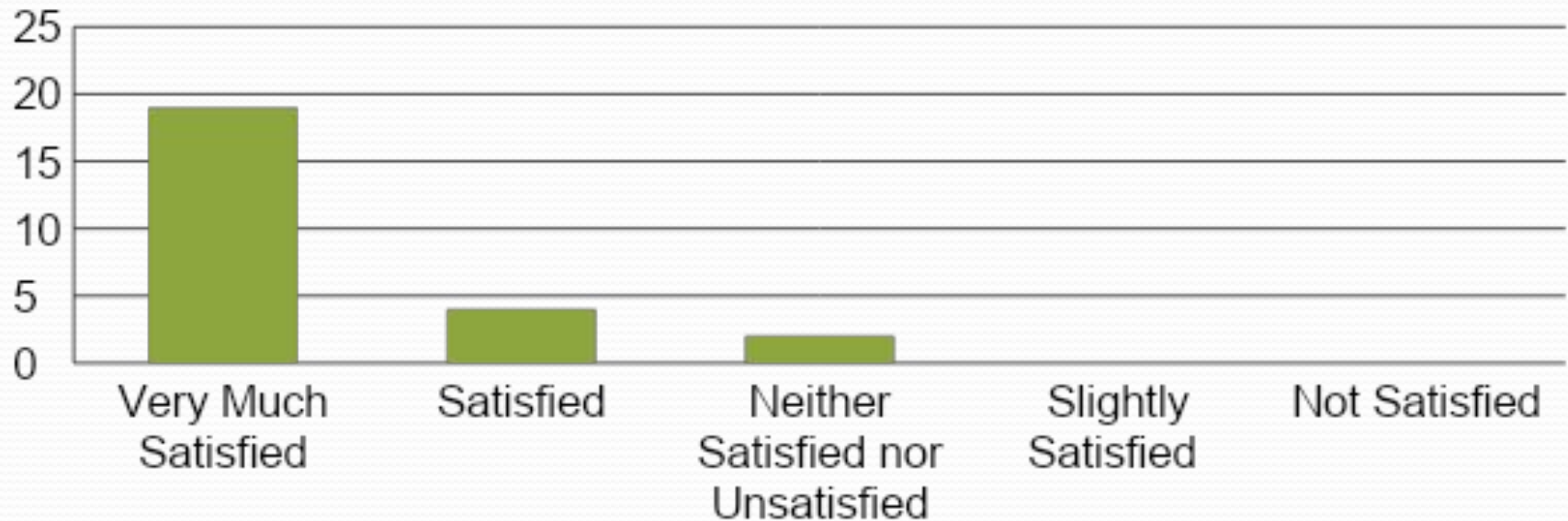
Results and Discussion

Figure 2. Relevance of the Training Program to the Current Situation
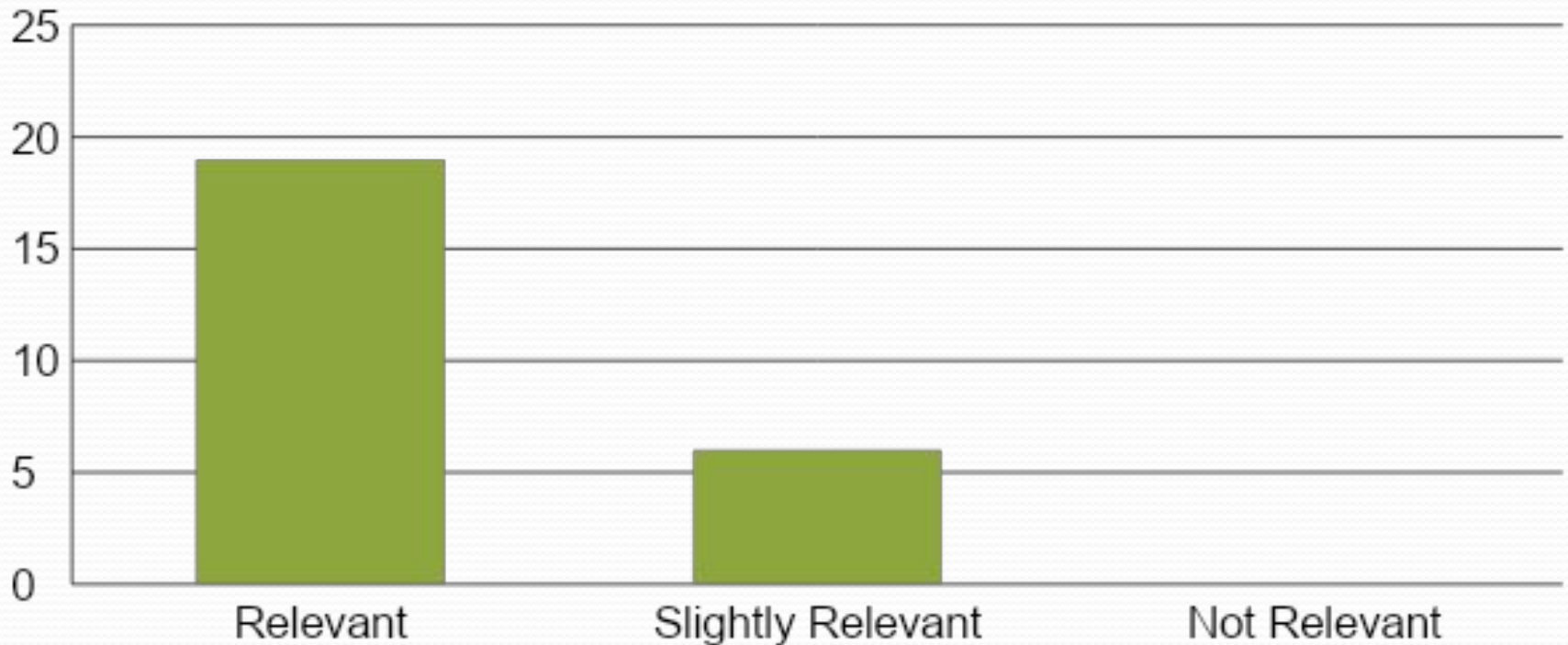
Results and Discussion

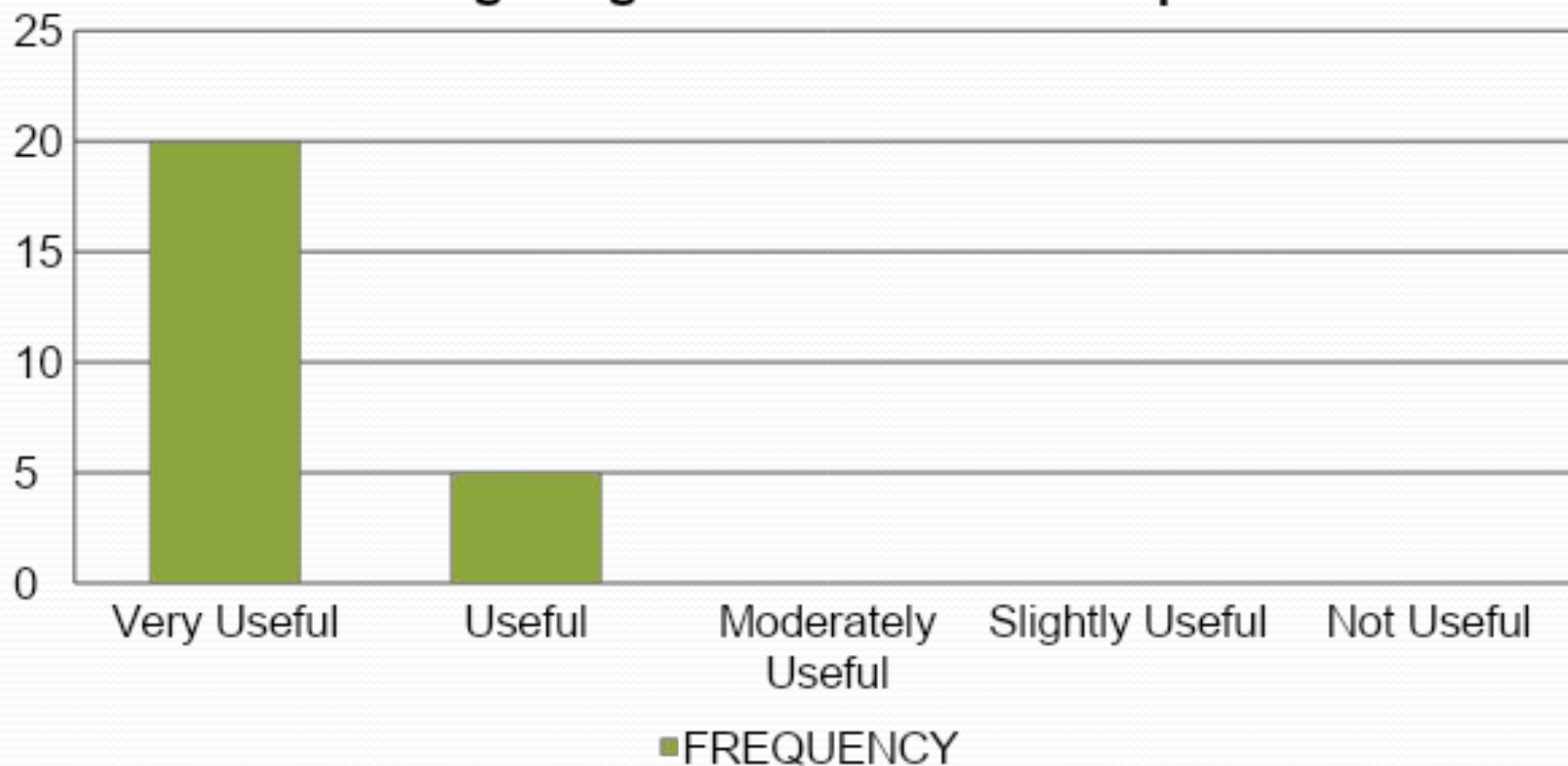**Figure 3. Degree of Usefulness of the Training Program Participated to the Awareness/Knowledge of the Topics Presented**
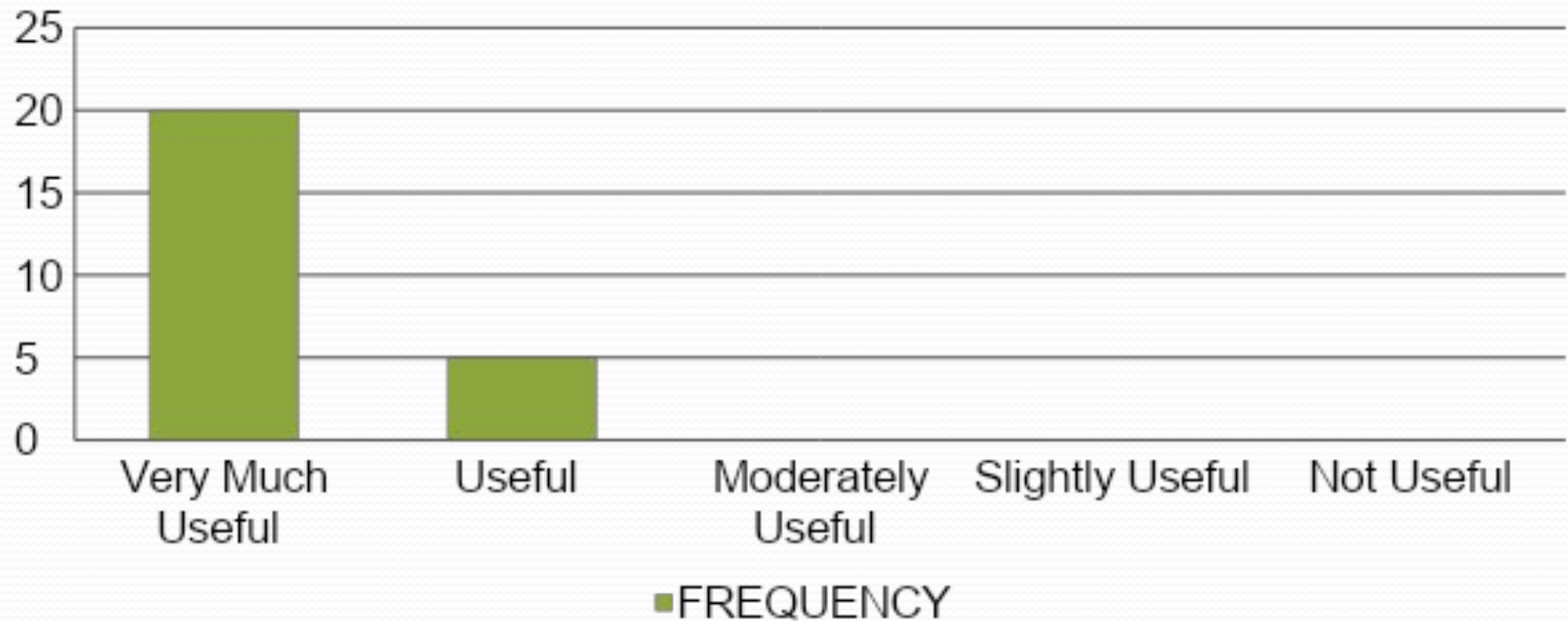
Results and Discussion

Figure 4. Level of Implementation of the Training Program Acquired

Results and Discussion

Figure 5. Overall Degree of Usefulness of Training/Program Attended/Participated

Conclusions

1. ICTs are not commonly used by the respondents nor they have personal internet connections at home. Likewise, they do not use the computer programme / software to do other works such as computing and programming

Conclusions

2. Performing routine tasks using ICT, and doing internet tasks in the respondents' daily activities are not evident and they are not knowledgeable in performing high level tasks using ICT

3. Positive attitude among respondents were found on the different uses of the computer as a tool in their everyday tasks.

Conclusions

4.   There is an improvement on the skills and proficiency of the participants in regards with their knowledge in database management as a result of the training conducted.

Conclusions

5. With the results of the impact study conducted, as stated and shown above, the training benefited the participants of the said training programs and they were applied by the beneficiaries to increase their personal and professional development by means of delivering quality service to their clienteles in different respective barangays.

Recommendations

1. Continuous Extension Activities. The same training should also be given to the other Municipalities. A follow-up training, monitoring and evaluation must be continuously done to see to it that the participants are practicing and applying the training they've undergone on their workplace.

2. A group or team training be adopted comprising barangay secretary, BHW & BSPO to make the project output efficient and effective;

Recommendations

3. Participation from other government agencies be involved in providing necessary data that the different barangays need.

4. Financial support from the funding agencies and the local government units is necessary specifically for the computer units and office supplies needed to support this program.

5. The Computer Education Department hopes to acquire or earn money on the technology being transferred through trainings and software being developed

Recommendations

6. Follow-up monitoring and evaluation.

   The researchers should visit the participating barangays to check if the training they provided to the barangay workers is being used and implemented. Each barangay should be required to present their output or actual reports using the system during the evaluation to assure of their continuous training in using the said technology. This is to validate the sustainability of the project.

References

Burns, J.C., et.al. (2011). A Short Guide to Community Based Participatory Action Research. Retrieved from https://www.labor.ucla.edu/wp-content/uploads/2015/03/A-Short-Guide-to-Community-Based-Participatory-Action-Research.pdf

Local Government Code of the Philippines (1991). Role of the Barangay. Book III Chapter 1, Section 384

SYSTEM FEATURES

Log-in feature
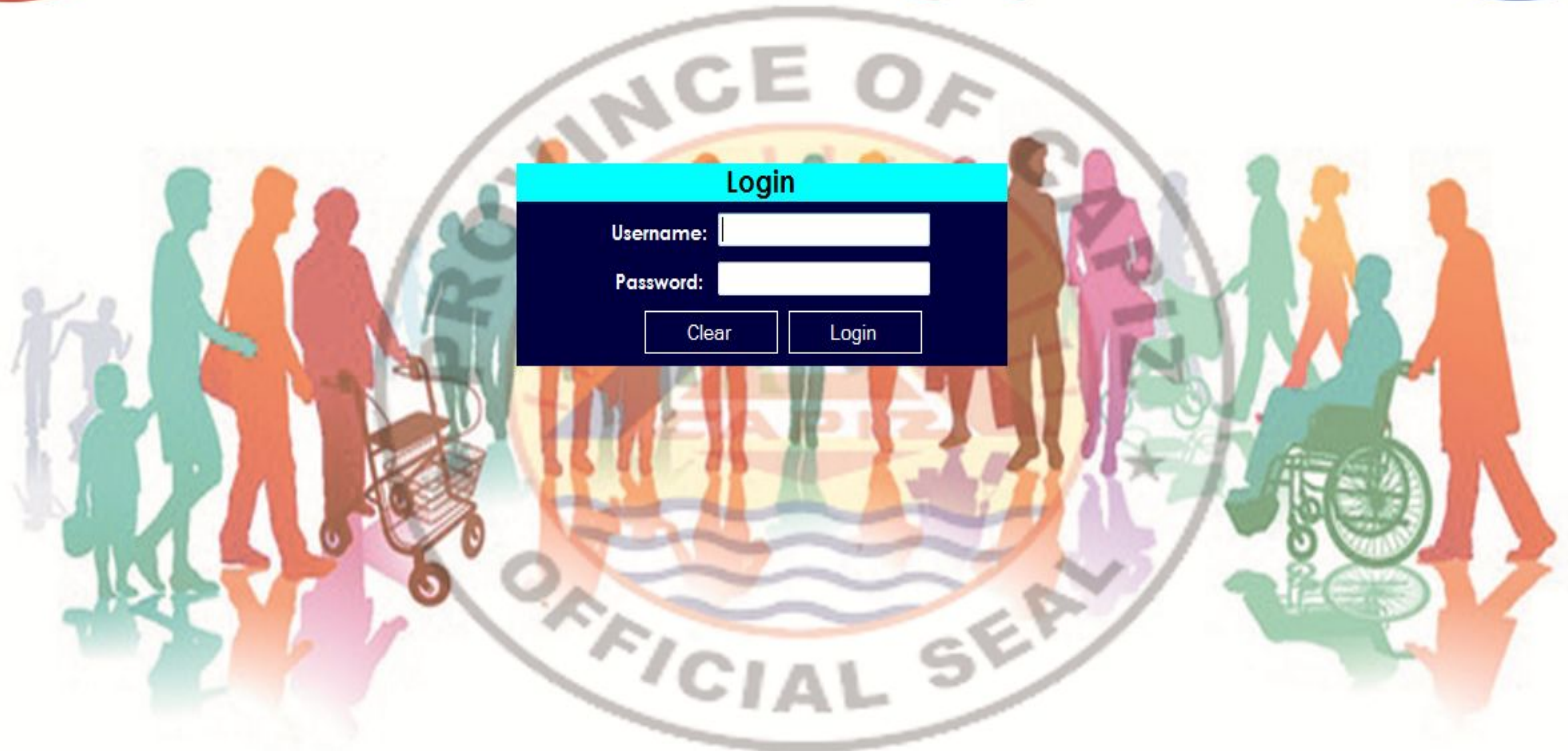
Data Records

Account Records

Barangay Profiling

Barangay Household Records

Individual Household Record

Barangay Services

Household Survey Records

Sample Reports

BSPO Name: [   ]   Municipality [▼]   Barangay: [▼]   Period: [   ]   [OK]

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Capiz Provincial Population Office
BARANGAY POPULATION PROFILE
Period Covered:

Barangay: Municipality:

Total Population   :   Total No. of Families   :
Land Area   :   Total No. of Births   : 0
Total No. of Registered Voters   :   Male   :
Population Growth Rate   :   Female   :
PGR = Births-Death+Net Migration x 100   No. of Teen-age Births (20< Yrs.) :
        Total Population (mid-year)   Total No. of WRAs (15-49)   :
Average Household Size   : NaN   Total No. of MCRA's   :
Average Family Size   : NaN   Total No. of ADOLECENTS (10-19)   : 0
Sex Ratio   : NaN   Male   :
    of males x 100   Female   :
    of female   Total No. of YOUTHS (15-24)   : 0
Contraceptive Prevalence Rate   :   Male   :
Total No. of Households   :   Female   :

AGE	MALE	FEMALE	TOTAL
0-4			0
5-9			0
10-14			0
15-19			0
20-24			0

FAMILY PLANNING METHOD USED	
NATURAL METHOD	
SDM	
CMM	
BBT	

ESTIMATED MONTHLY INCOME OF HOUSEHOLD	
2000 & below	
2001 - 5000	
5001 - 10000	
10001 - 15000	

Impact/ Outcomes of the Study

Registration & Opening Program held at the Computer Building

Impact/ Outcomes of the Study
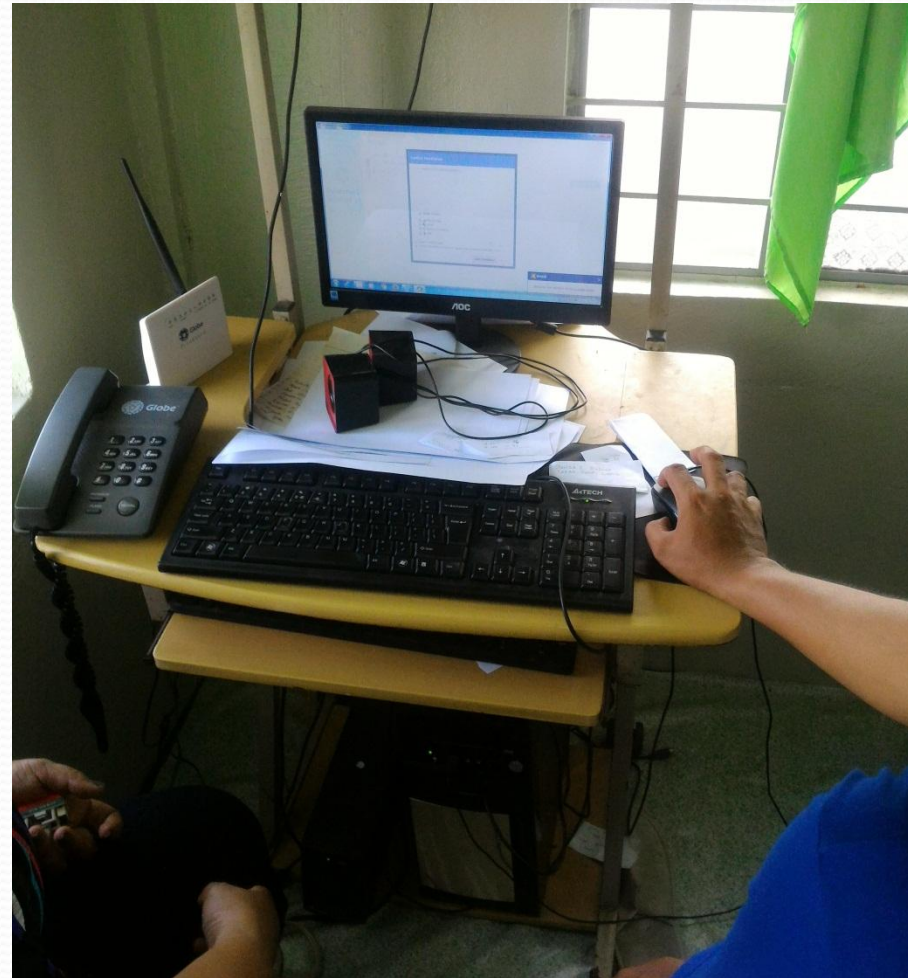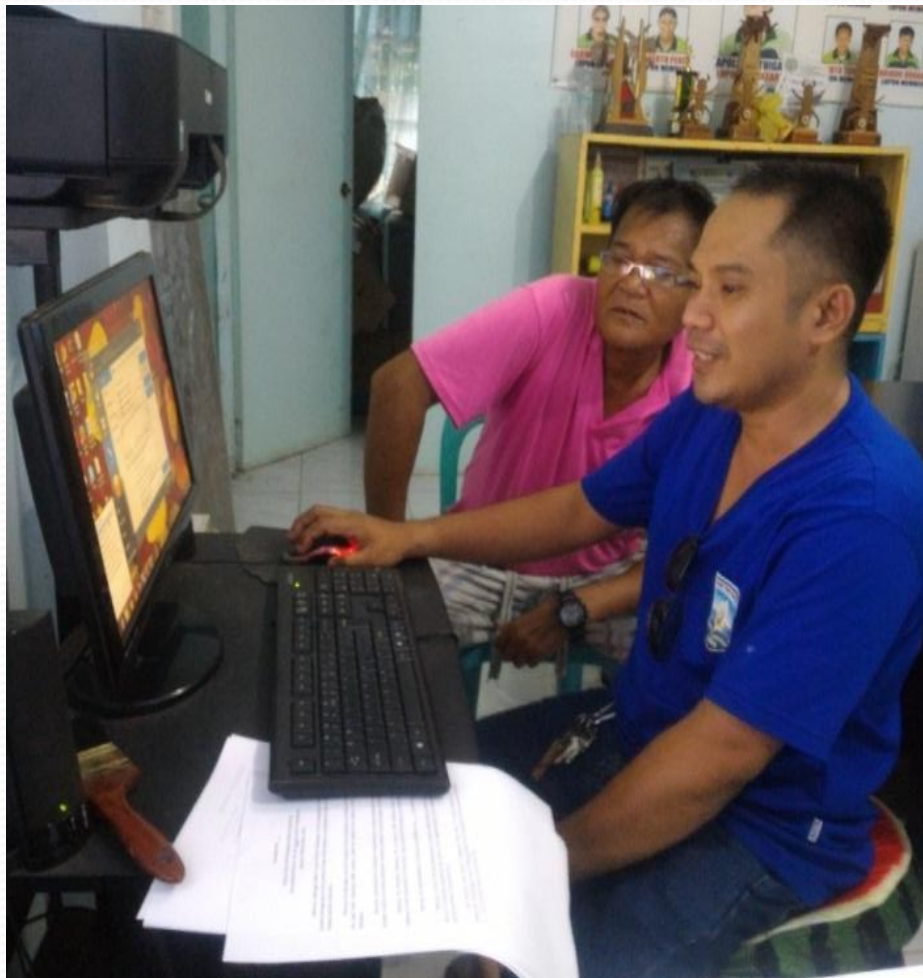
Lunch break at the old Computer Building

Impact/ Outcomes of the Study

Impact/ Outcomes of the Study

Consultation & Installation of the system

Impact/ Outcomes of the Study

Thank you
and
God bless everyone