**DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY**
ICT Building, Visayas State University
Visca, Baybay City, Leyte, PHILIPPINES
*Telefax*: 053 565 0600 local 1022
*Email*: dcst@vsu.edu.ph
*Website*: www.vsu.edu.ph

# EXTENSION PROPOSAL FORMAT

### I. BASIC INFORMATION

**Program/Project Title:** ICT Capability Building for STEM Senior High Teachers of DepEd Baybay City Division

**Proponents:**

Project Leader

- ✓ Name: Magdalene C. Unajan
- ✓ Designation: Department head
- ✓ Unit/Office: Department of Computer Science and Technology
- ✓ Contact Number: 0917-1541-530
- ✓ Email Address: magdalene.unajan@vsu.edu.ph

Project Staff/Member(s):

- ✓ Name: Joseph M. Martinez
- ✓ Nature of Involvement: Logistics and administrative matters
- ✓ Unit/Office: Department of Computer Science and Technology
- ✓ Contact Number: 565-0600 local 1022
- ✓ Email Address: joseph.martinez@vsu.edu.ph

- ✓ Name: Dionesio I. Estupa,
- ✓ Nature of Involvement: Technical assistance especially on internet connectivity and computer troubleshooting
- ✓ Unit/Office: Department of Computer Science and Technology
- ✓ Contact Number: 565-0600 local 1022
- ✓ Email Address: dionesio.estupa@vsu.edu.ph

- ✓ Name: Rodney M. Maniego, Jr.
- ✓ Nature of Involvement: Monitoring of teacher outputs
- ✓ Unit/Office: Department of Computer Science and Technology
- ✓ Contact Number: 565-0600 local 1022
- ✓ Email Address: rodney.maniego@vsu.edu.

**Implementing Unit:** Department of Computer Science and Technology

**Collaborating Units/Agencies:**

- ✓ Name of Agency: DepEd Baybay City Division
- ✓ Nature of Involvement: Participants and administrative support

**Vision:** A globally competitive university for science, technology, and environmental conservation.
**Mission:** Development of a highly competitive human resource, cutting-edge scientific knowledge and innovative technologies for sustainable communities and environment.

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No.

✓ Address: Diversion Road, Brgy. Gaas, Baybay City, Leyte
✓ Contact Number: (053) 563-7615
✓ Email Address: rene.andujar@deped.gov.ph

**Development Thematic Area:** Basic Education and Cultural Development

**Project Site(s):** Baybay City Division and DCST
**Duration:** 1 year
**Proposed Budget:** PhP 33,150.00

## II.  TECHNICAL INFORMATION

### A.  Rationale

The Department of Education has adopted the modular delivery of instruction on the secondary level. On the other hand, most of the universities and colleges offering tertiary education is utilizing an online mode of the delivery of instruction.

Learning Management System (LMS) is the commonly used medium for online delivery of instruction. It is an online system or software which is used to plan, execute, and assess a specific learning process. Also, the main objective of an LMS is to enhance the learning process.

The learning process of the students enrolled in senior high school can then be enhance with an LMS aside from the modular delivery of their lessons. Thus, there is a need to capacitate the senior high teachers on the utilization of an LMS as an additional mode of the delivery of their lessons.

### B.  Objectives
Generally, this extension project aims to incorporate a learning management system (LMS) for the Senior Highschool Teachers of DepEd Baybay City Division.

Specifically, at the end of this project, the participant are expected to:
1. develop a learning management system;
2. utilize an LMS for the delivery of instruction; and
3. explain the importance of an LMS to their students.

### C.  Major Components

**Component 1:** Profiling and Training Needs Assessment for the Senior High Teachers of DepEd Baybay City Division

✓ Name: Jomari Joseph A. Barrera
✓ Designation: Component leader
✓ Unit/Office: Department of Computer Science and Technology
✓ Contact Number: 053-565-0600 local 1022
✓ Email Address: jomarijoseph.barrera@vsu.edu.ph

**Component 2:** Capability Building Training on Learning Management System

- ✓ Name: Eugene Val D. Mangaoang
- ✓ Designation: Component leader
- ✓ Unit/Office: Department of Computer Science and Technology
- ✓ Contact Number: 053-563-7068
- ✓ Email Address: jonahflor.orano@vsu.edu.ph

**Component 3:** Technical consultancy

- ✓ Name: Magdalene C. Unajan
- ✓ Designation: Component leader
- ✓ Unit/Office: Department of Computer Science and Technology
- ✓ Contact Number: 0917-1541-530
- ✓ Email Address: magdalene.unajan@vsu.edu.ph

**Component 4:** Monitoring and evaluation of trainings conducted

- ✓ Name: Dr. Jude B. Rola
- ✓ Designation: Faculty
- ✓ Unit/Office: Department of Computer Science and Technology
- ✓ Contact Number: 053-565-0600 local 1022
- ✓ Email Address: jude.rola@vsu.edu.ph

**D.  Beneficiaries**

The beneficiaries of this extension program are the Senior Highschool Teachers of DepEd Baybay City Division.

These teachers are the frontliners in the delivery of education in the Senior Highschool curriculum. Their current mode of delivery is modular utilizing an LMS can add better accessibility of the lessons in the side of the students and better management and monitoring in the side of the teachers.

**D.  Expected Outcome**

It is expected that at the end of the series of trainings, the Senior High School Teachers of DepEd Baybay City Division will be able to have their own LMS where their courses are posted. Furthermore, that with the developed LMS, students can have the option to access lessons online or modular.

**E.  Potential Impact**

- ✓ Empowered senior high teachers in another way of their delivery of instruction.
- ✓ Improved access of learning materials both by students and teachers alike.

**F.  Methodologies**

## G. Detailed Work Plan Schedule

**12 Months/1 year**

| Objectives | Major Activities | Duration (Months) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1. To train participants on learning management system (LMS) | a. Uploading of course materials. b. Editing/Update of course materials. c. Customizing LMS | | | ▓ | ▓ | | | | | | | | |
| 2. assist in the development of courses in their LMS | a. quiz/assignment creation b. checking of student outputs c. grading using the LMS | | | ▓ | ▓ | ▓ | ▓ | | | | | | |
| 3. provide technical consultancy on ICT related concerns | Consultancy (online or face-to-face) | | | ▓ | ▓ | ▓ | ▓ | ▓ | ▓ | ▓ | ▓ | ▓ | ▓ |
| 4. monitor the progress of the participant and assess the impact of the extension program in their delivery of instruction | Evaluation of LMS developed and proof of usage of the LMS | | | | | | | | ▓ | ▓ | ▓ | ▓ | ▓ |

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## I. Line Item Budget

| Budget Items | Unit | Unit Cost (Php) | No. of Units (months) | Unit Total (Php) | Total (Php) |
|---|---|---|---|---|---|
| **I. Personal Services** | | | | | |
| **A. Salaries and wages** | | | | | |
| Research Assistant (none) | | | | | |
| Laborer | | | | | |
| **II. MOOE** | | | | | |
| A. Travel and Communication | | | | | |
| Per diem of driver | day | 800.00 | 3 | 2,400.00 | 2,400.00 |
| Gasoline | liter | 60.00 | 20 | 1,200.00 | 1,200.00 |
| B. Trainings/Meetings/ Seminars/Workshops/Consultations | | | | | |
| Meals (3 days face to face, lunch) | pack | 250.00 | 30 | 7,500.00 | 22,500.00 |
| Snacks (3 days face to face, AM and PM) | pack | 60.00 | 30 | 1,800.00 | 10,800.00 |
| C. Office supplies | | | | | |
| A4 Bond paper | Ream | 250 | 10 | 2,500.00 | 2,500.00 |
| Parchment paper | Pack | 350.00 | 3 | 1,050.00 | 1,050.00 |
| Printer Ink | Bottle | 350.00 | 10 | 3,500.00 | 3,500.00 |
| | | | | | |
| **III. Total Cost** | | | | | **33,150.00** |

*\*for reference only*

## J. Logical Framework

| Narrative summary | Objectively verifiable indicator | Means of verification | Important assumptions |
|---|---|---|---|
| | | | |

| | | | |
|---|---|---|---|
| Goal/impact<br><br>Increased number of senior high teachers using an LMS for their delivery of instruction. | Increase percentage on teachers using an LMS for their delivery of instruction | LMS Evaluation report | Sustained support from DepEd Baybay City Division. |
| Purpose/outcome<br><br>Increased competency of Senior High teachers in using an LMS | Increase by 50% in number of courses uploaded in LMS since the start of the project | LMS Monitoring report and Terminal report | Participants are willing to participate in the trainings and produce the required output. |
| Output<br><br>1. Knowledge of using an LMS<br><br>2. Knowledge of maintaining an LMS | Increased number of senior high teachers trained in utilizing<br><br>Increased number of courses uploaded in the LMS | Periodic/progress report<br><br>Periodic/progress report | Admin support<br><br>Continuous interest of participants |
| Activities<br><br>1.1. Profiling of the participants<br>1.2. Trainings<br>1.3. Consultancy and technical assistance<br>1.4. Monitoring and evaluation | Inputs<br><br>Manpower<br><br>Budget: Communication and travel expenses, Food, and Supplies (Php)<br><br>Equipment | | Willingness to attend the training<br><br>Willingness to use the LMS for the delivery of instruction |
| | | Pre conditions | |