DOST-FNRI conducts training on Front-End Analysis and Instructional Design among DOST employees

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The DOST-FNRI successfully facilitated the Training on Front-End Analysis (FEA) and Instructional Design in the Multimedia Development Cycle. The training, supported by the DOST Human Resource Development Program (HRDP), was conducted on April 24-26, 2024 at the Microtel by Wyndham South Forbes, Inchichan, Silang, Cavite.

The training discussed instructional design is, identified an instructional design model for multimedia materials development, discussed the components of front-end analysis, and tackled issues in front-end analysis and instructional design that affect the design and implementation of phases of the development cycle.

Asst. Prof. Luisa A. Gelisan, University Registrar and faculty member of the Faculty of Information and Communication Studies of the University of the Philippines Open University (UPOU), and Mr. Lexter J. Mangubat, Deputy Director of Educational Media Production, Center for Open and Digital Teaching and Learning of UPOU, served as resource persons of the training.

Before the training started, Atty. Lucieden G. Raz, DOST-FNRI Deputy Director/ Director III and Officer-in-Charge, Office of the Director, extended a warm welcome to all participants. During her Opening

Message, she emphasized that the insights and skills gained from the training will aid the participants to become more proficient in their respective fields. USec. Maridon O. Sahagun, DOST Undersecretary for Scientific and Technical Services and DOST HRDP Chairperson, conveyed her support for the training through a recorded message. She highlighted that the learnings from the training will pave the way in developing more comprehensive multimedia materials.

During the first part of the training, Mr. Mangubat presented a comprehensive definition of Instructional Design. He labelled it as Process, Discipline, Science, and Reality. He further delved into the key components of instructional design and gave a thorough discussion on each component.

The session proceeded with an insightful presentation by Asst. Prof. Gelisan on the Multimedia Production Process. In her lecture, she identified the different stages of multimedia production and explained the processes involved in each stage of production. Subsequently, she discussed FEA, detailing its essential components and their significance in the production cycle.

After the first set of lectures, the training progressed to the first workshop. In Workshop 1, the participants were grouped and tasked to develop a questionnaire for audience and situation analyses.

Following Workshop 1, Mr. Mangubat presented an overview of the ADDIE Model, which stands for Analysis, Design, Development, Implementation, and Evaluation. He stated that the Analysis and Design stages are integral to the pre-production phase, Development corresponds with production, and Implementation and Evaluation are important in post-production. Subsequently, he narrowed the focus to the pre-production phase, introducing the FEA SECTIONS Model. SECTIONS specifically refers to 8 different areas: Students, Ease of use, Cost/Time, Teaching, Interaction, Organizational issues, Networking, and Security & privacy.

Following his lecture, Workshop 2 focused on analysis of target audience for developing a training or campaign material, create a prototype analysis of the hypothetical target audience, and propose a media format guided by the SECTIONS analysis.

Day 2 started with the presentation of workshop outputs. The first five groups presented their Workshop 1 outputs, while the second five groups presented their Workshop 2 outputs. After each presentation, selected participants and the resource persons gave their comments.

The afternoon session started with Mr. Mangubat discussing the SMART Objectives and the steps in writing these. The first step involves identifying the needs based on FEA. The second step requires determining the level of cognitive complexity. The final step is writing the objectives that adhere to the SMART criteria.

Following his lecture was Workshop 3. In this workshop, the groups were tasked to craft a detailed multimedia resource development proposal. The proposal included the following: problem statement, SMART objectives, target audience profiles, media selection rationale, proposed content outline, budget, development plan, and implementation plan.

Day 2 ended with the groups meticulously working on their Workshop 3.

The last day of the training began with the groups presenting their Workshop 3 outputs. After each group's presentation, the resource persons provided valuable comments and suggestions.

The event concluded with Mr. Eduardo C. Fugoso, Executive Assistant III, Office of the Undersecretary for Regional Operations, delivering the Closing Remarks on behalf of Engr. Sancho A. Mabborang, DOST Undersecretary for Regional Operation. He expressed gratitude to the organizers and resource persons and presumed that the learnings acquired by the attendees would be reflected in the quality of the materials produced, ensuring to fulfill their intended purpose effectively.

The event was well-received, with participation from selected staff of the DOST Central Office, DOST attached agencies, and regional offices.∎

PHOTO NEWS:

Nestlé Research Singapore Hub (NRSH) during the courtesy visit to the DOST-FNRI for possible collaborations focusing on protein quality, April 4, 2024, DOST-FNRI, Bicutan, Taguig City

Nutrition Research Information Network (NUTRINET) Adopt-A-Library (AAL) monitoring visit with University of Rizal System (URS), April 12, 2024, Tanay Campus, Sampaloc, Tanay, Rizal