

**In Country Program on
DEVELOPING LEARNING RESOURCES USING DIGITAL MEDIA
13-24 December 2010, Bhopal, India**

Program Title	:	Developing Learning Resources using Digital Media
Dates	:	13-24 December 2010
Venue	:	National Institute of Technical Teachers Training and Research (NITTTR), Shamlu Hills, Bhopal - 462 002
Type of Program	:	In-Country Program
Organizer	:	Colombo Plan Staff College for Technician Education, NITTTR Bhopal, Ministry of Human Resources Development, Government of India

RATIONALE

Digital media in the vast technological landscape have been progressively instilled in today's culture. Whether video, audio, or graphics, access to digital media has been increasingly widening and penetrating into people's lifestyles given the sizable resources in television and the World Wide Web with augmented usage of the Internet.

With the way 21st century learners consume information and interact with content, much has been rolled out over the past years to take advantage of digital media available for use as effective teaching and learning resources. It is the goal of the educators and trainers to get the learners energized and engaged in their learning experience. It is also recognized that incorporating digital media resources to support the development of curricula sparks the interest since the use of visuals and sound stimulates the learners and aids in retention of information.

As opposed to analog media, which was scarcely tapped by the education system before, the development of digital media resources has often been celebrated for its penetration to the level of consumers due to the widespread use of digital information processing machines and equipment. High speed computers, digital cameras, digital camcorders, smart phones, along with digital media software such as non-linear editing system and image processing tools have been extensively available today. In order to effectively develop contents with digital media, one should know and understand the technical operation of digital equipment, employ digital editing, and understand the utility and strategic deployment of these resources according to the learning objectives:

This In-country program will provide a venue for the teachers and trainers of Technical Institutions in India to enhance the development of their instructional tools and methodologies by developing the appropriate learning resources with digital media. This, by carrying out good practices in manipulating camera tools, applying

techniques for effective shots, video editing, image processing and packaging the contents sharable to both the classroom and the Internet.

2. OBJECTIVES

At the conclusion the two-week program, the participants are expected to:

1. Appreciate the value of digital media resources to enhance teaching and learning;
2. Develop technical competencies in operating digital camera and video equipment;
3. Acquire skills in post-production editing and development through image processing, video editing and 2D animation; and
4. Publish learning resources with different digital media.

3. PARTICIPANTS' PROFILES

The program is designed for 25 Engineering and Polytechnic College Teachers.

4. DATE AND VENUE

The program spans twelve days (12) days and will be held in NITTTR, Bhopal, India from **13-24 December 2010**.

5. INSTRUCTIONAL STRATEGIES

To achieve the intended outcome, the following strategies will be adopted during the course of training program:

- Special Lectures
- Blended learning including face to face and interactive web-based teaching learning system (WBTLs)
- Hands-on equipment training and field exposure
- Computer sessions
- Group tasks and presentation

6. COURSE OUTLINE

- **Special Lecture:** New Perspective for Teacher Education in TVET

Module 1: Introduction to Digital Media Resources in Teaching and Learning

- Enhancing Teaching and Learning with Digital Media Resources

Module 2: Creating Digital Image Learning Resources

- Introduction to Digital Photography
- Image Processing with Photoshop

Module 3: Developing Audio-Video and Animation Learning Resources

- Introduction to Digital Video Production
- 2D Animation with Flash Professional

Module 4: Producing Digital Media Resources

- Integrating Digital Media Learning Resources

Project Work

- Publishing learning resources using developed digital media

7. PROGRAM MANAGEMENT

Program Supervisor



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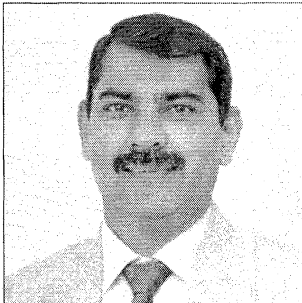
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Prof. (Dr.) Vijay Kumar Agrawal

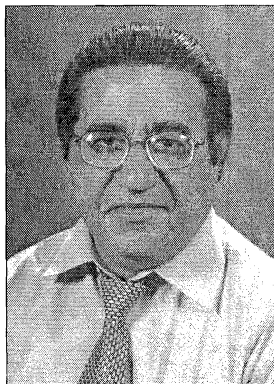
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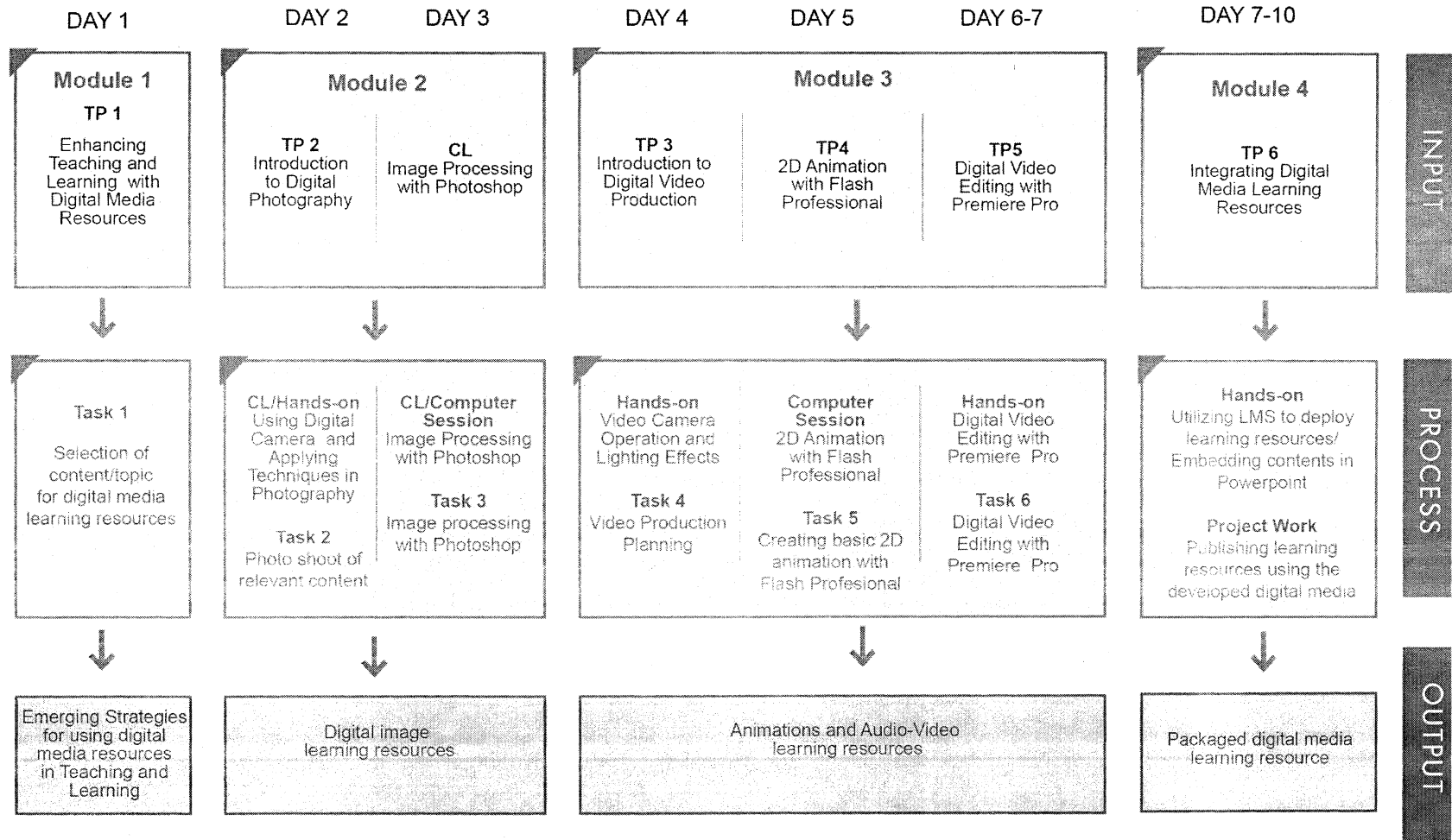
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8. INPUT- PROCESS – OUTPUT MODEL



- Trained Participants
- Digital Media Learning Resources for TVET System

9. TENTATIVE SCHEDULE

		9:30-11:00		11:15-12:45		2:00-3:30		4:00-5:30
Mon Dec 13		Registration and Opening Ceremonies		Program briefing and Registration in Web-Based TLS Special Lecture <i>New Perspectives for Teacher Education in TVET</i> Dr. Rajesh Khabayat	L U N C H B R E A K	TP 1 Enhancing Teaching and Learning with Digital Media Resources Dr. Rajesh Khabayat		Task 1 Selection of content/topic for digital media learning resources Participants
Tue Dec 14	MILY	TP 2 Introduction to Digital Photography Cyrus Almero	CL/Hands-on Digital Camera Operation and Applying Techniques in Photography Felix Sibal	Task 2 Photo shoot of relevant content Participants		T E A	Task 2 (cont'd) Participants	
Wed Dec 15	MILY	CL Image Processing with Photoshop Felix Sibal	CL/CS Image Processing with Photoshop Felix Sibal	Task 3 Image processing with Photoshop Participants		B R E	Presentation of Task 2 and 3 Participants	
Thu Dec 16	MILY	TP3 Introduction to Digital Video Production Cyrus Almero	Hands-on Video Camera Operation and Lighting Effects Cyrus Almero	Task 4 Pre-Production Planning/Video Shoot Participants		A K	Task 4 (cont'd) Participants	
Fri Dec 17	MILY	TP4 2D Animation with Flash Professional Prof. S.S. Kedar & C. K. Chugh	CS 2D Animation with Flash Professional Kedar & C. K. Chugh	Task 5 Creating basic 2D animation with Flash Professional Participants			Presentation of Task 5 Participants	
Sat Dec 18	Industry visit for Photo and Video Shoot (Local Coordinator)							
Sun Dec 19	Cultural Visit (Local Coordinator)							
Mon Dec 20	MILY	TP5 Digital Video Editing with Pinnacle Cyrus Almero	T E A	Hands-on Digital Video Editing with Pinnacle Cyrus Almero	L U N C H	Task 6 Digital Video Editing with Pinnacle Cyrus Almero	T E A	Task 6 Digital Video Editing with Pinnacle Cyrus Almero

Tue Dec 21	MILY	Presentation of Task 4 & 6 Participants	B R E	TP6 Integrating Digital Media Learning Resources Cyrus Almero	B R E	CS Utilizing Learning Management System (LMS) to deploy learning resources Cyrus Almero	B R E	CS Utilizing Learning Management System (LMS) to deploy learning resources Cyrus Almero
Wed Dec 22	MILY	Project Work Publishing learning resources Participants	E A K	Project Work Participants	A K	Project Work Participants	E A K	Project Work Participants
Thu Dec 23	National Seminar on Building Quality Assurance in TVET: Trends and Perspectives							
Fri Dec 24	Project Completion Participants			Presentation of Projects/ Feedback		Online Evaluation and Examination		Closing Ceremonies and Certificate Awarding

TP-Theme Paper | **MILY**-Most Important Learning of Yesterday | **CL** – Cyber Lecture | **CS**-Computer Session