Centre for Internet of Things

Report

on

In-House Workshop

on

Question Paper Analysis in Pen-Paper and MCQ Modes

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE

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Date: 05.02.2025

NOTICE

As per the Order Ref: DFoET/MP/2024/361, an in-house workshop on "Question Paper Analysis in Pen paper and MCQ Modes: A review and suggestions", is scheduled for the discussions on followings-

- The experience gained by faculty members while calculating PQI during first year first semester examinations (Session: July- Dec' 2024).
- Revised Bloom's taxonomy.

The schedule of the workshop is as follows-

- Date   :   07.02.2025 (Friday)
- Time   :   05.00 PM onwards
- Venue   :   Centre for Internet of Things
- Coordinators :   Dr.BhavnaRathore,
                       Dr.DhananjayBisen,
                       Dr. Saurabh K Rajput

All the faculty members arerequested to attend the workshop.

Dr.Praveen Bansal
Coordinator, CIOT

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Overview:

As per Order Ref: DFoET/MP/2024/361, an in-house workshop on "Question Paper Analysis in Pen-Paper and MCQ Modes: A Review and Suggestions" was conducted to facilitate discussions among faculty members on question paper analysis, PQI (Paper Quality Index) calculation, and revised Bloom's taxonomy. The workshop aimed to enhance the assessment process by evaluating experiences from the first-year first-semester examinations (Session: July–Dec 2024).

Objectives of the Workshop:

1. To discuss faculty members' experiences in calculating PQI and identifying areas of improvement.
2. To review and implement Revised Bloom's Taxonomy for better assessment design.
3. To compare and analyze the effectiveness of pen-paper and MCQ-based assessments.
4. To suggest improvements for future examination patterns and evaluation techniques.

Summary of Discussions:

Faculty members shared their insights on calculating Paper Quality Index (PQI) during the first-year first-semester examinations.

Key points discussed included:

✓ Ensuring that the chosen verb justifies the intended Bloom's level.

✓ Evaluating whether questions reflect the correct depth of thinking.

✓ Understanding the formula, components, and interpretation of Paper Quality Index.

✓ Ensuring an appropriate mix of lower-order and higher-order thinking questions.

✓ Examining how question wording influences student interpretation.
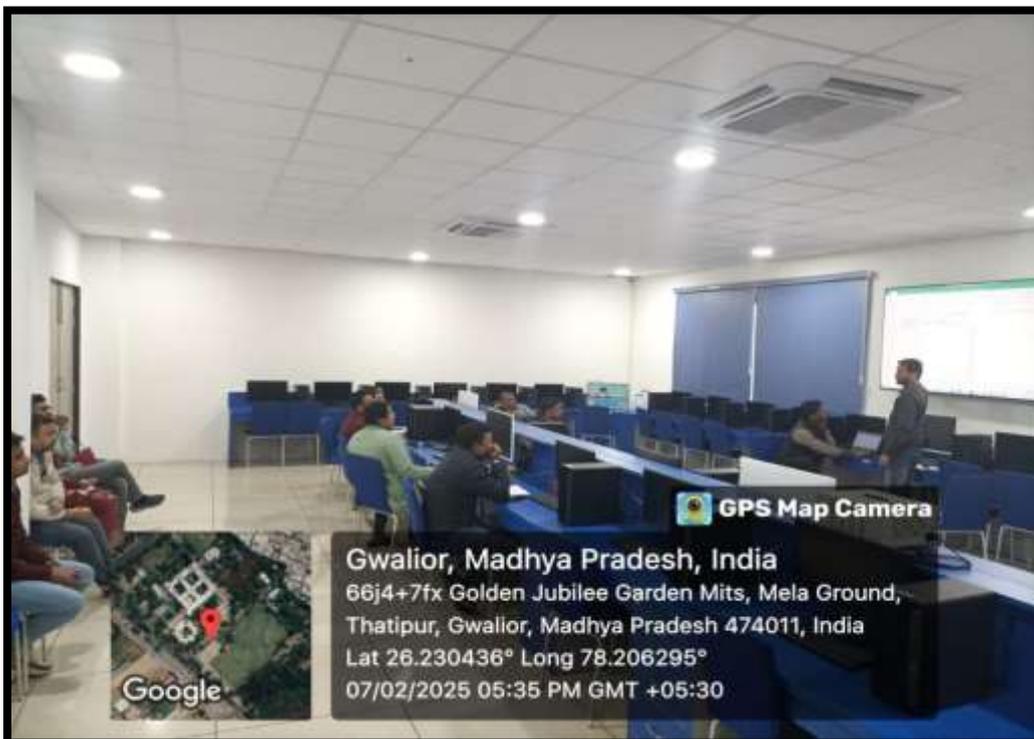
Outcomes of the Workshop:

✓ Enhanced understanding of PQI and its role in evaluating question papers.

✓ Identification of key areas for improving question design.

✓ Recommendations for aligning assessment strategies with Bloom's Taxonomy.

✓ Development of a framework for future examinations to ensure a balanced assessment approach.

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Glimpse of the workshop:

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Attendance of the workshop:

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Attendance

Workshop: Question Paper Analysis in Pen paper and MCQ Modes: A review and suggestions **Date** :07.02.2025 (Friday)

SN	Name of faculty member	Designation	Signature
1	Poonam Singh	A.P	Singh.
2	Por. Bhavna Ratna	Asst. Prof	guy
3	Dr. Koushal P. Seeyar	Asst. Prof	
4	Dr. Nookala Venu	Aff Prof	
5	Vinay Gupta	Asst. Prof	Gupta
6	Dr. Namita Arya	Asst. Prof.	
7	Dr Aftab Ahmed Anz	Assi prof	
8	Dr. Souryajit Ghosh	Assisted Prof.	
9	Dr Priyanka Garg	A.P	Priya
10	Dr. Murli Manohar	A.P	
11	Dr Aditya Dubey	A.P.	Aditya
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Faculty Feedback/Suggestions:

1. Based on my experience, it is essential to establish clear plagiarism guidelines for MCQ papers related to programming subjects. Additionally, during the design of the question paper, there is often confusion regarding whether Course Outcomes (COs) and Bloom's Taxonomy Levels (BLs) should be explicitly mentioned in each question of the MCQ paper. Therefore, a well-defined format should be in place to ensure clarity and consistency in MCQ question paper design.
2. The answer key of MCQ paper should be collected in separate sheet and should not be considered under Plag checking.
3. MCQ paper PQI sheet is well designed, however unit wise question based color codes may be provided for easy understanding.
4. Ensuring the selected verb accurately reflects the intended Bloom's Taxonomy level.

Dr Dhananjay Bisen
Workshop Coordinator

Dr. Saurabh Kumar Rajput
Workshop Coordinator

Dr Bhavna Rathore
Workshop Coordinator

Dr Praveen Bansal
Coordinator, CIoT