



Date: 20 Feb. 2024

## **A Report of Continuous Quality Improvement (CQI) Using OBE**

**Event Date:** 5<sup>th</sup> Feb 2024 – 16<sup>th</sup> Feb. 2024

**Event Time:** 10:00AM onwards

**Event Venue:** SBG Hall, 2nd-floor AB-II.

The Centre for Innovation in Learning and Development at GL Bajaj Institute of Technology and Management, Greater Noida, organized a Faculty Development Program (FDP) on “Outcome-Based Education (OBE) Design and Assessment Practices” from 5th February to 23rd February 2024. The program was structured to equip faculty members with the foundational knowledge and practical tools required for effective implementation of OBE frameworks within their disciplines. It focused on aligning teaching-learning strategies and assessment techniques with clearly defined learning outcomes, thereby fostering a more outcome-oriented academic environment.

### **Objectives of the FDP**

- To familiarize participants with the core principles and philosophy underpinning Outcome-Based Education (OBE).
- To develop faculty competence in formulating Program Educational Objectives (PEOs), Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs).
- To offer practical guidance on CO-PO mapping, assessment strategies, and outcome measurement.
- To support academic departments in the effective planning and implementation of OBE frameworks.
- To promote continuous quality improvement in teaching, learning, and evaluation processes.

### **Resource Persons**

The sessions were conducted by experienced faculty members and academic leaders from GL Bajaj Institute of Technology and Management:

- Prof. Manas Mishra, Director, GL Bajaj ITM
- Dr. Jay Singh, Professor, GL Bajaj ITM
- Dr. Mohit Bansal, Professor & Head, EEE Department

- Dr. P.C. Vashishth, Head, IT Department
- Dr. V.R. Mishra, Head, ME Department
- Dr. Satyendra Sharma, Head, ECE Department
- Dr. Sansar Singh Chauhan, Head, CSE Department

Their expertise and in-depth understanding of OBE practices greatly enriched the FDP sessions.



### Program Highlights

The 12-day program included structured sessions, interactive discussions, and hands-on workshops. Highlights of the program are as follows:

- Day 1-2: Introduction to Outcome-Based Education and Accreditation Framework  
(Speaker: Dr. Jay Singh)  
Overview of NBA requirements, key terminologies, and OBE philosophy.
- Day 3-4: Defining Vision, Mission, PEOs, POs, PSOs, and COs  
(Speaker: Dr. Mohit Bansal)  
Constructing effective educational objectives and outcome statements.
- Day 5-6: CO-PO Mapping Techniques and Attainment Calculation  
(Speakers: Dr. P.C. Vashishth and Dr. V.R. Mishra)  
Demonstration of matrix formulation, attainment calculation models, and data analysis.
- Day 7-8: Assessment Methods and Rubric Development  
(Speaker: Dr. Satyendra Sharma)

Designing formative and summative assessment tools aligned with COs.

- Day 9-10: Continuous Quality Improvement (CQI) and Best Practices  
(Speaker: Prof. Manas Mishra)

Institutional strategies for monitoring, evaluating, and refining OBE implementation.

- Day 11-12: Department-Wise Implementation and Practice Sessions  
(Facilitated by respective HoDs)

Faculty worked in groups to develop departmental OBE plans, CO-PO matrices, and assessment rubrics.

## Outcomes of the FDP

- Faculty gained a clear and in-depth understanding of the principles and implementation of Outcome-Based Education (OBE).
- Practical tools for CO-PO mapping and attainment calculation were developed and shared.
- Departments began the process of restructuring curricula to align with OBE standards.
- Sample rubrics and model question papers were designed to effectively assess course outcomes.
- Faculty enhanced their readiness for future NBA and NAAC accreditation processes through improved documentation and assessment practices.






The Faculty Development Program (FDP) concluded with a valedictory session, during which participants shared their reflections and provided positive feedback on the overall learning experience. The program was especially appreciated for its practical orientation and direct relevance to departmental and institutional needs. Beyond enhancing individual faculty capabilities, the FDP laid a strong foundation for advancing outcome-based teaching and learning practices across the institution.

During the valedictory session, Prof. Manas, Director of the Institute, extended his heartfelt thanks to all participants. He remarked, "Over the past twelve days, we have collectively explored the philosophy, practical applications, and implementation strategies of Outcome-Based Education (OBE)—an approach that places learners at the heart of the teaching-learning process and emphasizes measurable educational outcomes." He congratulated participants for their sincere involvement, enthusiasm, and active engagement throughout the program.

He further acknowledged the valuable contributions of the resource persons, whose insights and expertise will empower faculty to refine instructional strategies, align curricula with well-defined learning outcomes, and enhance assessment practices. These improvements, he noted, are critical to achieving academic excellence and strengthening NBA/NAAC accreditation readiness.

Prof. Manas concluded by emphasizing that this FDP should not be seen merely as the end of a training initiative, but rather as the beginning of a sustained journey toward quality enhancement and continuous institutional improvement. He once again thanked all attendees and wished them continued success in their academic and professional pursuits.

**Regards**

  
Mrs. Priyanka Datta

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