



Date: 21 Jan. 2025

## **A Report of “Outcome-Based Education (OBE) Design and Assessment Practices”**

**Event Date:** 6th January 2025 – 17th January 2025

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

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

The Centre for Innovation in Learning and Development, 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 6th to 17th January 2025. The FDP was designed to empower faculty members with essential knowledge and practical tools to implement OBE frameworks in their respective disciplines. It aimed to align teaching-learning processes and assessment methodologies with the attainment of pre-defined learning outcomes.

### **Objectives of the FDP**

- To introduce the principles and philosophy of Outcome-Based Education.
- To equip faculty with skills for designing PEOs, POs, PSOs, and COs.
- To provide practical insights into CO-PO mapping and assessment methods.
- To support departments in planning and implementing OBE frameworks.
- To ensure continuous quality improvement in education delivery.

### **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 developed a comprehensive understanding of OBE principles.
- Practical tools for CO-PO mapping and attainment calculation were created.
- Departments initiated OBE-aligned curriculum restructuring.
- Sample rubrics and question papers were designed to evaluate course outcomes.
- Faculty became better prepared for future NBA/NAAC accreditation processes.





The FDP concluded with a valedictory session, where participants shared feedback and reflected on the learning experience. The program received excellent responses, especially for its practical orientation and departmental relevance. The FDP not only enhanced faculty capacity but also laid a strong foundation for institutional excellence in outcome-based teaching and learning.

At valedictory session, Prof. Manas – Director of the institute conveyed his sincere thanks to all participants. He said, over the past twelve days, we have collectively explored the philosophy, implementation, and practical nuances of OBE—an educational approach that places the learner at the center of the teaching-learning process and focuses on the measurable outcomes of education. He congratulates each participant for their sincere involvement, enthusiasm, and active engagement throughout this program. The knowledge and insights shared by esteemed resource persons is undoubtedly empower all to refine instructional methods, align curriculum and assessment with learning outcomes, and ultimately contribute to the academic excellence and accreditation readiness of departments.



He said, let this FDP mark not just the end of a training program, but the beginning of a sustained journey toward quality enhancement and continuous improvement. He conveyed thanks once again, and wishes all continued success in academic and professional endeavors.

**Regards**

Mrs. Priyanka Datta   
Asst. Prof. & Coordinator -CILD  
GL Bajaj Institute of Technology and  
Management, Greater Noida

Dr. Jay Singh   
Prof. & Head - CILD  
GL Bajaj Institute of Technology and  
Management, Greater Noida



## Outcome-Based Education (OBE) Design and Assessment Practices

Participant's Attendance Record

Date: 6 Jan 2025

S.No.	Participant's Name	Designation	Dept.	Signature
1	Dr. V. R. Mishra	HOD, ME	ME	
2	Dr. Mohit Bansal	HOD, EEE	EEE	
3	Dr. Vikas Pathak	HOD, MBA	MBA	
4	Dr. Mayank Singh	HOD, CSDS	CSDS	
5	Dr. Shashank Anand	Dean-station	CSE	
6	Dr. M. S. Naouker	Dean SW	EEE	
7	Dr. Sanjeev Kumar	HOD, CSE	AI	
8	Dr. Dinesh Kr Singh	Prof/Head Exn.	ECE	
9	Dr. Jyoti Singh	Prof.	EEE	
10	Dr. Pooja Prakash Singh	Prof.	CSE/IT	
11	Dr. Sansar S. Chakravarti	Prof & Head	CSE	
12	Dr. Santosh Kumar Srivastava	Associate Proff.	CSE AIML	
13	Relke Singh	Head HR	HR	
14	Dr. Purnendu Shekhar Pandey	Head, GLBCRI	GLBCRI	
15	Dr. Narendra Singh	Asst. Prof.	MBA	
16	Dr. Shivesh Tripathi	Asso. Prof.	ECE	
17	Dr. Pushpa	Asso. Prof.	CSE	
18	Dr. Payal	Asst. Prof.	CSE	
19	Nisha Sharma	Asst Prof.	MBA	
20	Shweta Singh	Asst. Prof.	MBA	
21	Dr. Vineet Kumar	Prof.	MBA	
22	Dr. Upasana Mittal	Asst Prof.	MBA	
23	Keeran Swach	Asst. Prof.	CSDS	
24	MANUVA	Asst. Prof.	MBA	
25	Pr. Durgesh	Assoc Prof	MBA	
26	Dr. Prasant	Asst. Prof.	DM (CSD)	
27	Dr. Manikant Dubey	Asso. Prof.	MBA	
28	Priya Pal Singh	Asst Prof.	MBA	
29	Dr. Rakesh Kumar Shukla	Asst Prof.	IT	
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S.No.	Participant's Name	Designation	Dept.	Signature
1	Dr. Govind Vishal Singh	A.P.	MBA	[Signature]
2	Dr. Deepthi Singh	AP.	MBA	[Signature]
3	Dr. Richa Patel	AP	MBA	[Signature]
4	Ms. Kajal Banati	A.P.	MBA	Kajal
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S.No.	Participant's Name	Designation	Dept.	Signature
1	Rahul Singh	A.P	EEE	
2	DR. DEEPAK PANDIT	Professor	DMS	
3	Dr. Gopal Pathak	A.P.	DMS	
4	Shweta Singh	AP	DMS	
5	Arjuni Singh	"	DMS	
6	Ruchika Vats	"	DMS	
7	SOHAIB IQUBAL	A.P	IT	
8	KAILASH RANA	Asst. Prof	IT	
9	Tapas Mishra	Asst. Prof	IT	
10	Bharvee Singh	Asst Prof	CSE	
11	Payal Garg	A.P	CSE	
12	Mekhalai	A.P	CSE	
13	Pooja	A.P	CSE	
14	Sonal Gandhi	AP	CSE	
15	Swati Sachan	AP	EC	
16	Dr. Anshu Singh	A.P	MBA	
17	Pankaj Prasad	AP	MBA	
18	Arjun Rai	Asst. Prof	CSE	
19	Sandeep Kumar	Asst. Prof	ECE	
20	Dr. Vivek Gupta	A.P	ECE	
21	Dr. Pankaj Singh	A.P	AMZ	
22	Dr. Santosh	Asst. Prof	AMZ	
23	Dr. Manoj Kumar	Prof. Head	CSE	
24	Dr. Ram Chandra	Assistant Prof	ASH	
25	Dr. Neelam Singh	A.P.	ASH	
26	Dr. Sudha Swaroop	Assistant	MBA	
27	SUNNY PRAKASH	Asst. Prof	ASH	
28	Shweta Saxena	Asst. Prof	AppSH	
29	Abhishek K.	"	CSE-AJ	
30	Arun Kashyap	"	"	



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**Participant's Attendance Record**

S.No.	Participant's Name	Designation	Dept.	Signature
1	Dr. Archana Sax	Prof	DS	
2	Dr. Sanjeev Kumar	Asst Prof.	MEIT	
3	Ms. Deepika	Assistant Prof.	MCA	
4	Darshak Singh	Asst. Pro	CSE-AIMU	
5	Gagan Gupta	Assistant Prof	CSE (AIMU)	
6	Dr. V.K. PallaW	Asst. prof.	MEIT	
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S.No.	Participant's Name	Designation	Dept.	Signature
1	Dr. Shevati Trayambak	Associate Prof	Mgt (MBA)	Shevati
2	Ms. Jyoti Gaur	Assistant Prof	MBA	Jyoti
3	Ms. Kajal Bharti	Assistant Prof	MBA	Kajal
4	Dr. Richa Patel	Assistant Prof	MBA	Richa
5	Ms. Yashu Istwal	Assistant Prof	CSE-DS	Yashu
6	Ms. Sugandha	Asst. Prof	CSE-DS	Sugandha
7	Mr. ROHIT SAHU	Assistant Prof	ME	Rohit
8	Dr. Meghodaya Man	Asst. Prof	ME	Meghodaya
9	Dr. Abhishek Pandey	Asso. Prof.	ME	Abhishek
10	Mrs. Priyanka Datta	Assistant Prof	EEE	Priyanka
11	Mrs. Praveen K. Verma	A.P	DMS	Praveen
12	Ms. Priyanka Naagar	"	"	Priyanka
13	Mr. Rahul Dobryal	"	"	Rahul
14	Ms. Chitra JHA	"	"	Chitra
15	Dr. Vijayata Tejwal	"	"	Vijayata
16	Dr. Vandana Sachdev	Assoc. Prof.	CSE	Vandana
17	Dr. Pooja Rami	Assistant Prof.	CSE	Pooja Rami
18	Dr. Sanyal Babu Jishu	Asst. Prof	CSE	Sanyal
19	Mr. Anand Kr Yadav	Asst. Prof	CSE-DS	Anand
20	Dr. Aashu Kumar	Asst. Prof	CSE	Aashu
21	Dr. Pushpa	Assoc. Prof.	CSE	Pushpa
22	Ms. Bhawna Singh	Assistant Prof	CSE	Bhawna
23	Ms. Rejani Singh	Asst. Prof.	IT	Rejani
24	Dr. Tarun K. Gupta	Ass.-C. Prof	ME	Tarun
25	Dr. Anubha Saxena	Assoc. Prof.	ME	Anubha
26	Ms. Shadab	Asst. Prof	CSE	Shadab
27	Dr. Upasana Mittal	Asst. Prof.	MBA	Upasana
28	Dr. Shaiya Dixit	Asst. Prof.	MBA	Shaiya
29	Ms. Aradhita Tejwani	Asst. Prof.	MBA	Aradhita
30	Mr. Ankur Srivastava	Asst. Prof.	MBA	Ankur



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S.No.	Participant's Name	Designation	Dept.	Signature
1	Mihirika Singh	Asst. Prof.	MCA	[Signature]
2	Anjan Mishra	Asst. Prof.	MCA	[Signature]
3	MOHIT	Asst. Prof.	EEE	[Signature]
4	MOHAN SINGH	Asst. Prof.	ECE	[Signature]
5	Koleman Behra	A.P.	CSE-AI	[Signature]
6	Mr. Himanshu Nandanwar	Asst. Prof.	CSE-AI	[Signature]
7	Surekh Kumar	AP	CSE-AI	[Signature]
8	Dr. Mahesh Awasthi	Asst. Prof.	MBA	[Signature]
9	Dr. Madhu Sharma Gaur	Prof.	MCA	Modhubanshi
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