

**A Report on Guest Lecture**  
**“An awareness program on Empowering students with OBE”**  
**Organized by Department of Mechanical Engineering**  
**on 27.11.2024**



**Report Submitted by: Dr. Thota S S Bhaskara Rao, Assistant Professor, Department of Mechanical Engineering.**

**Resource Person Details: Dr. Uzwalkiran, Assistant professor, Aditya University.**

**Participants: 52 including Faculty.**

**Mode of Conduct: Offline.**

**Time and Venue: 2:30 PM to 4:00 PM and Robotics Lab.**

**Report Received on 02.12.2024.**

The Department of Mechanical Engineering organized a guest lecture on “An awareness program on Empowering students with OBE” on 27th Nov 2024 in Robotics Lab from 2:30 P.M to 4:00 PM.

**Objective of the Event:**

The objective of Outcome-Based Education (OBE) is to design and implement an educational system that focuses on the desired learning outcomes or competencies students should achieve by the end of their course or program. These objectives aim to make learning more meaningful, measurable, and aligned with real-world applications.

**Primary Objectives of OBE:**

- **Student-Centered Learning:** Shift the focus from traditional teacher-centered instruction to a student-centered approach that prioritizes what students should know, do, and demonstrate.
- **Clearly Defined Learning Outcomes:** Establish specific, measurable, and achievable outcomes that students are expected to accomplish by the end of a course or program.
- **Skill Development:** Equip students with practical, industry-relevant skills, critical thinking, and problem-solving abilities that prepare them for professional and real-life challenges.
- **Flexibility in Learning:** Allow diverse learners to achieve the intended outcomes through multiple pathways, accommodating different learning styles and paces.
- **Accountability and Transparency:** Ensure accountability among educators and institutions by emphasizing measurable outcomes and providing clear evidence of student achievements.
- **Alignment with Industry and Global Standards:** Align educational outcomes with industry requirements, accreditation standards, and global expectations to make students employable and competitive in the global market.
- **Encouragement of Lifelong Learning:** Foster a mindset of continuous improvement, encouraging students to adapt, grow, and remain relevant in a rapidly changing world.
- **Continuous Quality Improvement:** Use assessment data to refine teaching methods, curricula, and institutional practices for consistent improvement in learning outcomes.

### Program Details:

The event commenced with a welcome address from Dr. S. Baskaran, who then emphasized the significance and benefits of the meeting in his opening remarks.

Later Dr Uzwalkiran R Explained the basic concepts of levels of outcomes, History of OBE, blooms taxonomy as follows:



### Key Highlights of an OBE Guest Lecture

**Introduction to OBE:** The lecture typically begins with an explanation of what OBE is, highlighting its core principle: focusing on measurable outcomes rather than traditional methods of delivering content.

Emphasis is placed on the question, "What should students be able to do at the end of their learning journey?"

### Key Components of OBE:

- **Outcome Clarity:** Clear learning outcomes at course and program levels.
- **Curriculum Alignment:** The curriculum is designed to achieve these outcomes.
- **Assessment Methods:** Assessment focuses on measuring how well students achieve the stated outcomes.
- **Continuous Improvement:** Using data from assessments to refine teaching and learning processes.

### Benefits of OBE:

- Prepares students with industry-relevant skills.
- Encourages active learning and critical thinking.
- Promotes accountability among educators and institutions.
- Offers flexibility for diverse learners, as they can achieve outcomes through various pathways.
- Implementation Challenges, Resistance to change from traditional teaching models.
- Developing meaningful and measurable outcomes.
- Ensuring that faculty and staff are trained in OBE practices.
- Aligning outcomes with accreditation and industry requirements.

**Case Studies and Examples:** The lecturer may present real-world examples of institutions successfully implementing OBE, illustrating how it bridges the gap between academia and industry.

**Interactive Session:** Q&A with students and educators to address concerns and explore the applicability of OBE in their own educational context.

The event concluded with a vote of thanks delivered by Dr. Arun Kumar D, the event coordinator. Overall, the meeting was productive for students' academic and behavioral growth. It encouraged collaboration and shared responsibility in ensuring student success.