



## A Report on 05 - Day Faculty Development Programme on Outcome-Based Education (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 11<sup>th</sup> February, 11<sup>th</sup> March, 2023)

### About the FDP on Outcome-Based Education:

5 - Day Faculty Development Programme was organized on Outcome-based Education from 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 11<sup>th</sup> February and 11<sup>th</sup> March, 2023 in the Auditorium, Presidency University. The objective of this faculty development programme is to nurture the philosophy of Outcome-Based Education (OBE) and build the capacity and competencies of the faculty members in the teaching-learning system and other Academic Process of the University. The development and implementation of good academic processes in an institutionalized manner by involving all stakeholders for continuous improvement are paramount in assuring the quality of the programmes.

The FDP has been conducted with sufficient discussions, deliberations in a case study approach, and provides a hands-on experience on re-engineering or fine-tuning the academic processes that improves the quality of the outcome education. Highly renowned professionals from academia and industry were invited to enlighten the participants on various areas.

### OBE Day 1: 1<sup>st</sup> February, 2023

The 5-day Faculty Development Program on Outcome Based Education commenced on February 1<sup>st</sup>, at 10:30am, with an inaugural ceremony in the presence of Dr. S. Baskar, BOYSCAT Fellow, Dean (R &D), Thiagarajar College of Engineering, Madurai (Resource Person), Dr. AM Surendrakumar, Pro-Vice Chancellor (Academics), Dr. Muddu Vinay, Pro-Vice Chancellor (Management), Dr. Shilpa Mehta, Dean Academics and other dignitaries. The dignitaries officially inaugurated the FDP with lighting of the lamp. The welcome address was given by the Program coordinator Dr. SR Sudheendra, Dy. COE, Presidency University.



The Program coordinator officially welcomed the gathering, the speakers, faculty members and the dignitaries. The chief guest cum Resource person Dr. S. Baskar, BOYSCAT Fellow, Dean (R &D), Thiagarajar

College of Engineering, Madurai was introduced. The Chief Guest addressed the participants on OBE Specialist on Introduction to Outcome Based Education, Key parameters of OBE, Vision, Mission and PEO's/GA/POs/PSOs, Revised Blooms Taxonomy in Cognitive domain and Articulation of COs, CO-PO mapping, Role of Blooms Taxonomy in Teaching and Learning. The speaker gave presentation on the process and the basis for the framing of the course outcomes for the different subjects. A neat and detailed presentation was also explained to the participants on the mapping process of the course outcomes and program outcomes.



**OBE Day 2: 2<sup>nd</sup> February, 2023**

The Hands-on sessions has conducted by Dr. Bhaskar (Resource Person) in the classrooms Department-wise continuation. He has made all the faculty members to prepare the CO and PO for their courses. He also explained about Questions Design to Measure COs, CO-PO Attainment Computation and Outcomes Analysis, Use of Technology for CO-PO Attainment Computation and Outcomes Analysis and Improving Employability Outcomes. The process of designing the curriculum to obtaining the appropriate outcome based education has discussed in detail with the active participation of the participants. The secession was interactive with the audience taking an active part in understanding the process to be undertaken.







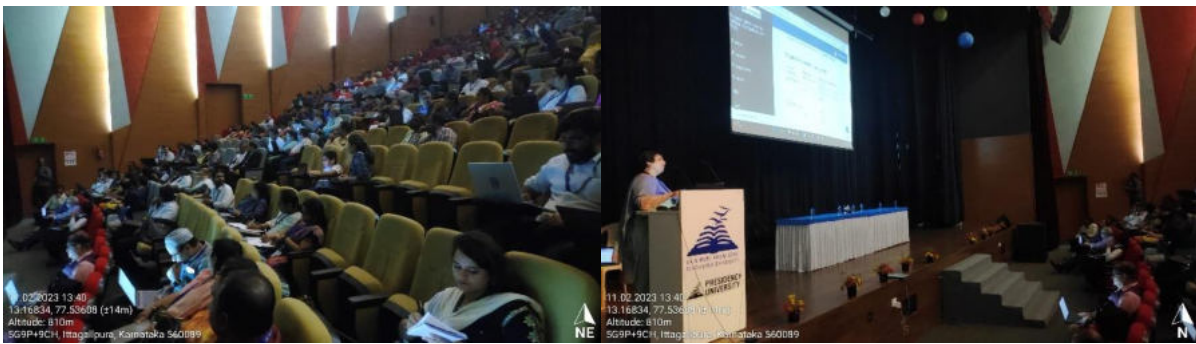
### **OBE Day 3: 3rd February, 2023**

The day 3 sessions was taken by Dr. S. Baskar, BOYSCAT Fellow, Dean (R &D), Thiagarajar College of Engineering, Madurai. The speaker also gave a presentation on the process of attainment of program outcome and program specific outcomes and the method of calculating the PEOs, GA, POs and PSO's were neatly explained. Work sheets were also given for calculating the same which the participants were able to take part in. detailed explanations were given by the speaker to all the queries made by the participants. Active physical participation was also given to the participants for understanding the rubrics for OBE. The interaction was lively with audience interacting with the speaker and the day 3 sessions was made lively through real time examples.



### **OBE Day 4: 11<sup>th</sup> February, 2023**

The Resource person Mr. Chaitanya Kumbhar, Inpods was introduced. He gave talk on the basic need for outcome based education, its importance and significance. He has explained how to find CO attainment and PO attainment in the Inpods. The hands-on sessions has been conducted in the afternoon session to make faculty understand the process. The secession was lively with active audience interaction with the speaker.

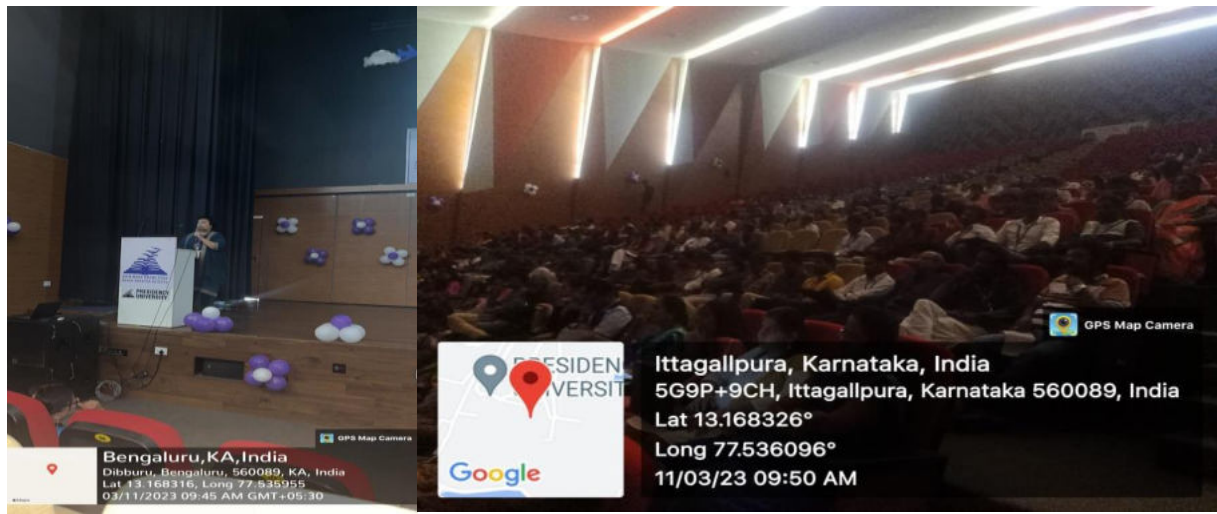


**OBE Day 5: 11<sup>th</sup> March, 2023**

The OBE attainment with software discussion done on 5<sup>th</sup> day by Dr. Shilpa Mehta, Dean Academics and Dr. SR Sudheendra, Dy. COE. The excel templates for lab components and continual assessment have been shared to all the faculty members. The hand-on sessions has been conducted to make faculty members to understand the process.







The Valedictory function was held at Auditorium, Presidency University on 11<sup>th</sup> March, 2023 from 04:00 PM to 04:30 PM. The program was presided over by the program coordinator Dr. SR Sudheendra, Dy. COE, Presidency University. The valedictory function was also attended by Dr. AM Surendrakumar, Pro-Vice Chancellor, Presidency University, Dr. Shilpa Mehta, Dean Academics, Deans/HoDs. Among others who attended the Valedictory function were the distinguished resource persons, faculty members of Presidency University and invitees. The welcome and overview of the 5 day Faculty development program was given by the program coordinator, Dr. SR Sudheendra. Subsequent to which the e-certificates were sent to the participants on successful completion of the FDP.

*Sarwa*  
 REGISTRAR  
 PRESIDENCY UNIVERSITY  
 REGISTRAR  
 BANGALORE



**PRESIDENCY**  
**UNIVERSITY**

05 - Day Faculty Development  
Programme on

# OUTCOME BASED EDUCATION

12 - 18  
August  
2022

**OFFLINE**

📍 Venue: The Auditorium, Presidency University

Presidency University, Itgalpur, Rajanakunte, Yelahanka, Bengaluru 560064 | 🌐 [www.presidencyuniversity.in](http://www.presidencyuniversity.in)





## ABOUT THE PROGRAMME

Presidency University, a leader in the field of Higher Education has taken the initiative to increase and improve faculty standards across all levels, especially in the area of 'Outcome-Based Teaching Learning Methods and Research'.

During the present Covid-19 pandemic situation also Presidency University has been at the forefront in delivering quality education through virtual mode. The same has been recognised recently by QS. Infact, Presidency University is one of the few leading Universities in India to receive the prestigious QS I-Gauge E-Lead Certificate for excellence in online education.

In the pursuit of academic excellence, Presidency University is proposing to conduct a Faculty Development Programme (FDP) on Outcome-Based Education (OBE) from 12<sup>th</sup> - 18<sup>th</sup> August 2022 for the benefit of university faculty and other stakeholders.

As the Outcome-based Education embraces each part of the education system, it involves a restructuring of curriculum, assessment and reporting practices in education to help achieve higher order-thinking and cognitive skills as laid down in the National Education Policy-2020.

## AIMS AND OBJECTIVES

The objective of this faculty development programme is to nurture the philosophy of Outcome-Based Education (OBE) and build the capacity and competencies of the faculty members in the teaching-learning system of the university. The development and implementation of good academic processes in an institutionalized manner by involving all stakeholders for continuous improvement are paramount in assuring the quality of the programmes.

The faculty development programme will have sufficient discussions, deliberations in a case study approach, and provides a hands-on experience on re-engineering or fine-tuning the academic processes that can improve the quality of the outcome. Highly renowned professionals from academia and industry are being invited to enlighten the participants on various areas.

## KEY TOPICS AND PROPOSED OUTCOMES OF THE FDP

- Quality Assurance and Program Design Concepts
- Top-down Program Design
- Course Outcomes Design
- Questions Design to Measure COs
- CO-PO Attainment Computation and Outcomes Analysis
- Use of Technology for CO-PO Attainment Computation and Outcomes Analysis
- Improving Employability Outcomes
- Introduction to Outcome Based Education, Key parameters of OBE
- Vision, Mission and PEO's/GA/POs/PSOs
- Revised Blooms Taxonomy in Cognitive domain
- Articulation of COs, CO-PO mapping, Role of Blooms Taxonomy in Teaching and Learning
- Pedagogy and Content Delivery
- Project-Based Learning and Higher Order Thinking
- Outcome-Based Question Papers and Quality Measurement
- Case Studies on Attainment Evaluation of COs and POs
- Innovation in Education
- Industry-Academia Interface.

## PATRONS



**MR. NISSAR AHMAD**  
CHANCELLOR  
PRESIDENCY UNIVERSITY, BANGALORE



**DR. D. SUBHAKAR**  
VICE-CHANCELLOR  
PRESIDENCY UNIVERSITY, BANGALORE

## SPEAKERS



**MR. AJAY BHAGWAT**  
Director, Inpods Ed - Tech For Accreditations  
And Rankings, OBE, New Delhi



**DR. S. BASKAR**  
BOYSCAST Fellow, Dean (R&D),  
Thiagarajar College of Engineering, Madurai



**DR. A. M. SURENDRA KUMAR**  
Pro Vice-Chancellor & COE,  
Presidency University, Bangalore



**DR. C. S. RAMESH**  
Dean (R & D)  
Presidency University, Bangalore



**DR. B. V. PRABHU**  
Director, Placement & Training,  
Presidency University, Bangalore



**DR. SIVAPERUMAL**  
Dean (Sponsored Project),  
Presidency University, Bangalore



**DR. KRISHNAKUMAR K**  
Professor & Associate Dean, School of Management,  
Presidency University, Bangalore



**DR. S. R. SUDHEENDRA**  
Professor & Dy. COE,  
Presidency University, Bangalore





## Day 1 – Friday, 12-08-2022

### INAUGURATION – 9:30am – 10:00am

#### Speaker – Mr. Ajay Bhagwat

Director, Inpods Ed - Tech for Accreditations and Rankings, OBE, New Delhi

#### Session 1 10:15am – 12:15pm

##### Topic: Quality Assurance and Program Design Concepts

- Quality Assurance in higher education
- As per NEP 2020 and NAAC criteria 1 curricular aspects, designing a program based on the principles of outcomes-based education

#### Session 2 1:30pm – 2:45pm

##### Topic: Top-down Program Design

- Knowledge dimensions and curriculum design
- Cognitive process and balancing the expectations of students' academic performance

#### Session 3 3:00pm – 4:30pm

##### Topic: Course Outcomes Design

- Course Blueprint Model of Cognitive process (Revised Bloom's taxonomy) for CO designing
- Using the above model for designing the measurable COs
- Showing compliance with NBA accreditation's Criteria 3

## Day 2 – Saturday, 13-08-2022

#### Speaker – Mr. Ajay Bhagwat

Director, Inpods Ed - Tech for Accreditations and Rankings, OBE, New Delhi

#### Session 1 9:30am – 10:45am

##### Topic: Questions Design to Measure COs

- Using the above model for designing the questions
- Outcomes-based assessments questions paper design + Use of technology
- Importance of Meta-cognitive knowledge related assessments

#### Session 2 11:00am – 12:15pm

##### Topic: CO-PO Attainment Computation and Outcomes Analysis

- Thresholds, Target and CO Attainment computation
- COs attainment analysis
- PO outcomes computation and batch-wise analysis
- Student performance gap analysis and designing remedial actions

#### Session 3 1:30pm – 2:45pm

##### Topic: Use of Technology for CO-PO Attainment Computation and Outcomes Analysis

- Showing how technology can be used to achieve 350+ points of NBA accreditation for the criteria # 1, 2, 3 and 7
- Showing how technology can be used to achieve Criteria of NAAC accreditation such as Curricular aspects, Teaching, learning and evaluation, Student's progression



## Day 2 – Saturday, 13-08-2022

### Speaker – Mr. Ajay Bhagwat

Director, Inpods Ed - Tech for Accreditations and Rankings, OBE, New Delhi

#### Session 4 3:00pm – 4:30pm

##### Topic: Improving Employability Outcomes

- Use of outcomes data for mentoring of students and Training and Placement
- Students Dashboard for their Program Outcomes
- Bridging the gap between the industry and academia

## Day 3 – Tuesday, 16-08-2022

### Speaker – Dr. S Bhaskar

BOYSCAST Fellow, Dean (R&D), Thiagarajar College of Engineering, Madurai

#### Session 1 9:00am – 10:30am

##### Topic: Introduction to Outcome Based Education, Key parameters of OBE

#### Session 2 10:45am – 12:15am

##### Topic: Vision, Mission and PEO's/GA/POs/PSOs

#### Session 3 1:00pm – 2:00pm

##### Topic: Revised Blooms Taxonomy in Cognitive domain

#### Session 4 2:00pm – 3:00pm

##### Topic: Articulation of COs, CO-PO mapping, Role of Blooms Taxonomy in Teaching and Learning

## Day 4 – Wednesday, 17-08-2022

#### Session 1 9:30am – 10:45am

##### Topic: Pedagogy and Content Delivery

Dr. Krishnakumar K- Professor & Associate Dean, SoM, Presidency University

#### Session 2 11:00am – 12:15pm

##### Topic: Project Based Learning and Higher Order Thinking

Dr. Sivaperumal S, Dean -Sponsored Research, Presidency University

#### Session 3 1:15pm – 2:30pm

##### Topic: Industry Academia Interface

Dr. B V Prabhu, Asso. Director-Career Services and Industry Connect

#### Session 4 2:45pm – 4:00pm

##### Topic: Innovation in Education

Prof. CS Ramesh, Dean R & D, Presidency University



## Day 5 – Wednesday, 18-08-2022 (Hands on)

**Speakers** - Dr. Surendra Kumar, Pro-VC & COE  
Dr. S R Sudheendra, Dy. COE

**Session 1** 9:30am – 10:45am

Topic: Outcome Based Question Papers and Quality Measurement

**Session 2** 11:00am – 12:15pm

Topic: Outcome Based Question Papers and Quality Measurement

**Session 3** 1:15pm – 2:30pm

Topic: Outcome Based Question Papers and Quality Measurement

**Session 4** 2:45pm – 4:00pm

Topic: Outcome Based Question Papers and Quality Measurement

# Valedictory

**SESSION**  
4:00pm onwards

## RANKING

### Times B-School Survey 2022

**Ranked 27 in Pan India in**  
Top 150 B-Schools

**Ranked 9 in**  
Top 25 Private Universities

**Ranked 6 in**  
Top 20 South B-Schools

**Ranked 15 in**  
Top 20 Institutes-Placement

### Indian Institution Ranking Framework (IIRF) 2021

**Ranked 34 in** Top Law Colleges (Private) at All India Level

**Ranked 34 in** Best Private Universities 2021 at All India Level

**Ranked 40 in** Overall MBA Ranking 2021 at All India Level

### Times Engineering Institute Ranking Survey 2021

**Ranked No. 1 in** Pan India under Top Emerging Engineering Institutes

**Ranked No. 4 under** Emerging Engineering Institutes-Placement

**Ranked No. 7 under** Emerging Engineering Institutes-Research Capability

### CSR-GHRDC B-Schools Survey 2021

**Ranked 5 in** Pan India in the category Outstanding B-Schools of Excellence

### Education World Magazine, April 2020

**Ranked 27 in** Pan India

**Ranked 7 in** Karnataka

