



International  
**OBE Symposium 2021**

Facilitated by  
The Institutional Quality Assurance Cell (IQAC) of  
Ahsanullah University of Science and Technology (AUST)  
along with selected faculty members from AUST (Bangladesh),  
UKM (Malaysia), IIUM (Malaysia), and UniKL (Malaysia)



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AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

# Outcome-Based Education: Continuous Quality Improvement (CQI) Practices in IIUM

**28<sup>th</sup> November 2021**  
**1:00 – 1:40 p.m.**



Assoc. Prof. Dr. Nor Fadhillah Mohamed Azmin  
Department of Biotechnology Engineering, Kulliyah of Engineering,  
International Islamic University Malaysia, Selangor, Malaysia.



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*Outcome-based Education(OBE) means **focusing and organising a school's entire programs and instructional efforts around the clearly defined outcomes we want all students to demonstrate when they leave school.***

*(Spady, 1993)*

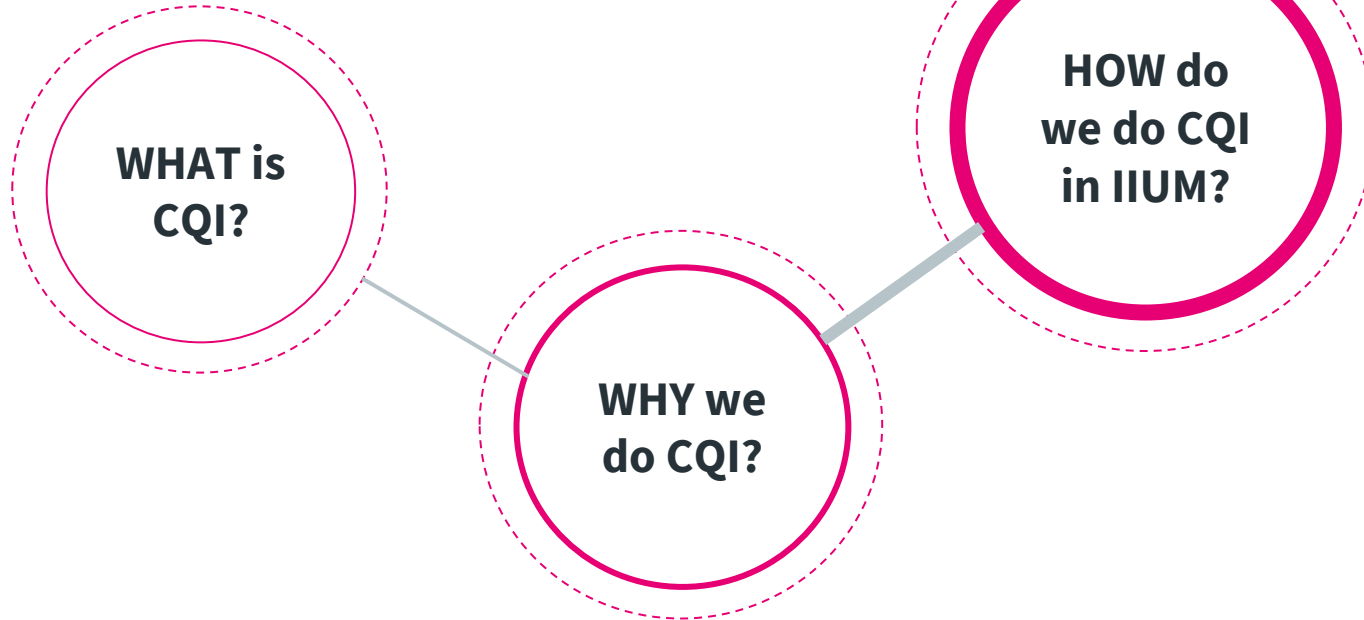


"OBE is a **process** that  
focuses on **what is to be  
learned - the outcomes.**"  
(Kudlas, 1994)





# OVERVIEW



# ACCREDITATION



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# 1. WHAT IS CQI?

**A Continuous Quality Improvement (CQI) culture in the spirit of Outcome-Based Education (OBE) provides a framework for educational institutions to carry out performance management and also quantify and document the process to ensure that they meet their goals.**



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# 2. WHY DO WE DO CQI?

# THE WHYs?

The objective of accreditation is to ensure that Continuous Quality Improvement (CQI) is being practiced by educational institutions.

- ◎ Team member accountability
- ◎ Creativity and solution creation
- ◎ Heightened team member morale
- ◎ Improved processes, information management, and documentation
- ◎ Tools and methods to monitor programme effectiveness
- ◎ Opportunities for additional programmes and new modules





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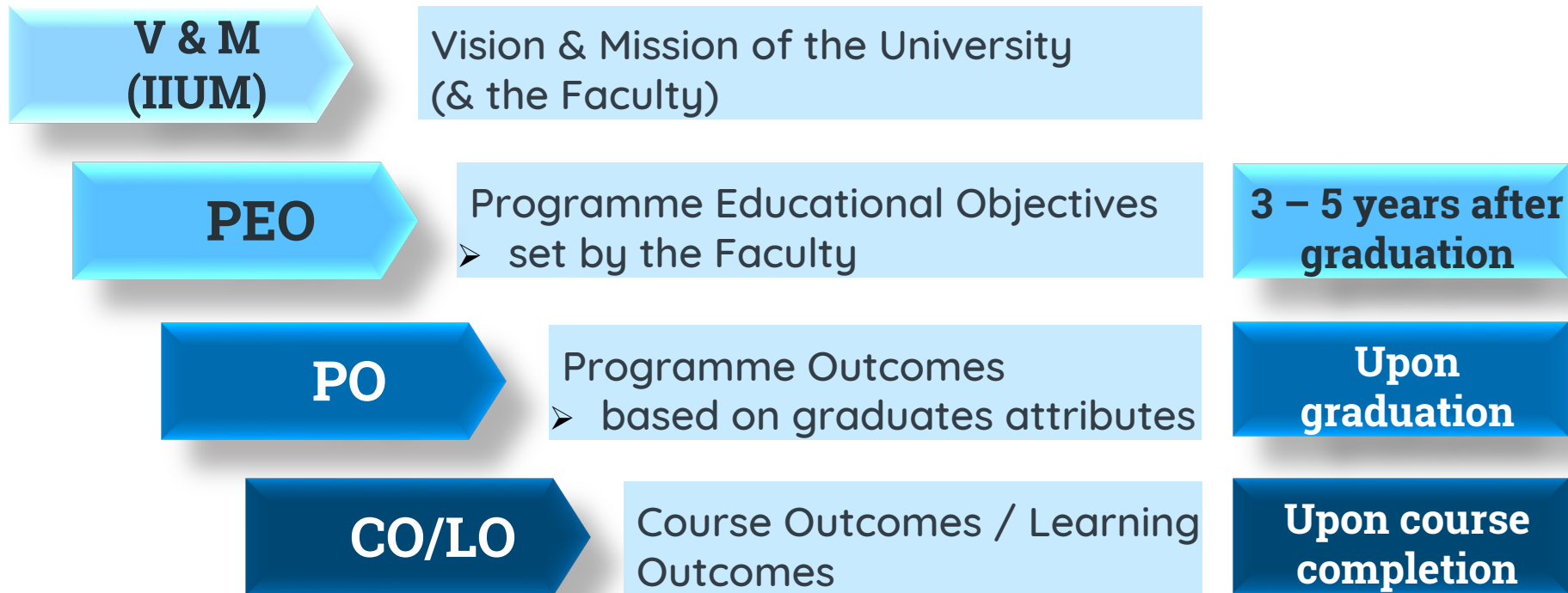
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# 3. HOW DO WE GO ABOUT IT IN IIUM?

## OBE is an education system that emphasize on LEARNING OUTCOMES



## VISION

*IIUM* aims to become a leading international centre of educational excellence which seeks to restore the dynamic and progressive role of the Muslim Ummah in all branches of knowledge and intellectual discourse.

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## MISSION

The summary of *the Mission* should read as follows:

Integration;  
Islamization;  
Internationalization; and  
Comprehensive Excellence

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# Kulliyah of Engineering

## **VISION**

A Global Centre of Innovative Engineering Education and Research with Values and Professional Ethics.

## **MISSION**

To be a Referral Hub for Engineering Education and Sustainable Solutions Based on Islamic Principles for a Better World.

## **STRATEGIC DIRECTION**

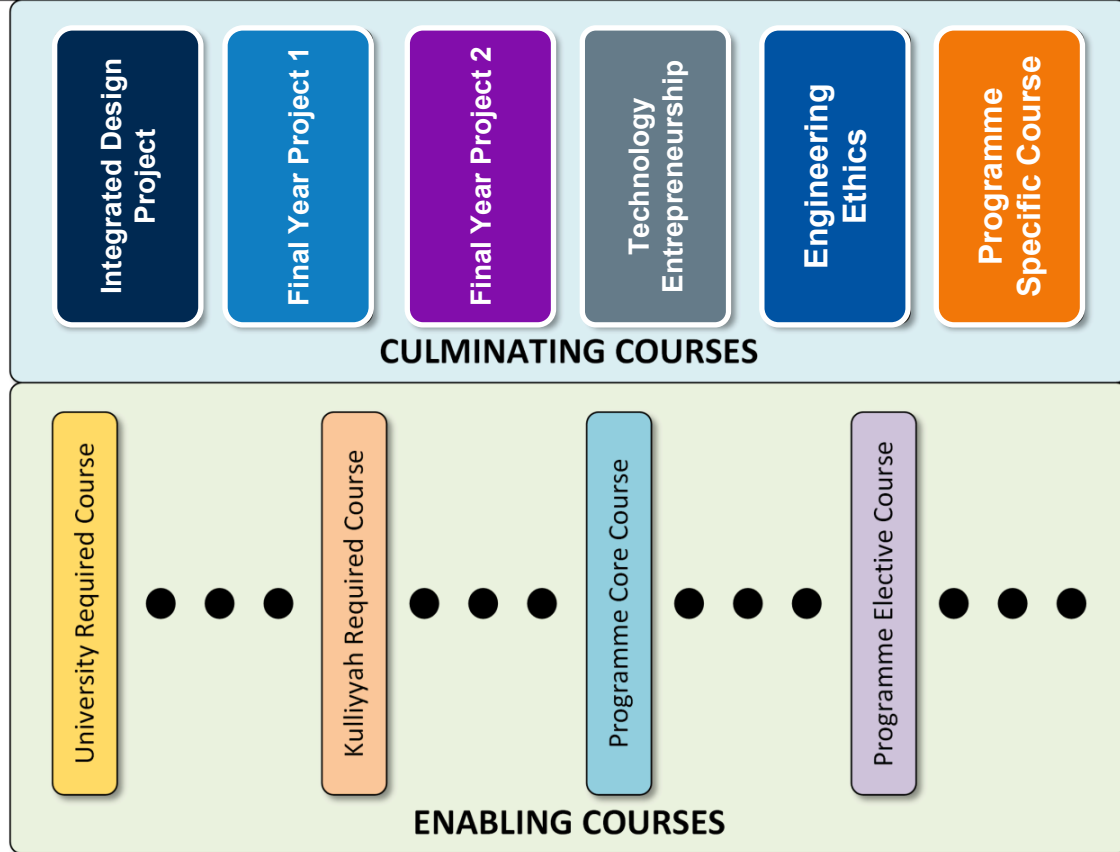
Humanizing Engineering Education Towards Viable Ecosystem.



# PROGRAMME EDUCATIONAL OBJECTIVES

- 1** Graduates who advance in career and professional standing nationally or internationally based on leadership and technical expertise.
- 2** Graduates who demonstrate moral and professional commitment for the betterment of society.
- 3** Graduates who engage in entrepreneurial activities that apply engineering knowledge and technical skills.
- 4** Graduates who engage in lifelong learning through postgraduate education and/or continuous professional development.

## Outcome Based Education Framework Kulliyah of Engineering, IIUM



- **Curriculum is based on OBE Model**
- **Enabling**
  - Fundamental knowledge required for application of engineering knowledge towards improvement of society with imbued Islamic worldview.
- **Culminating**
  - Application of Knowledge to Engineering Scenarios

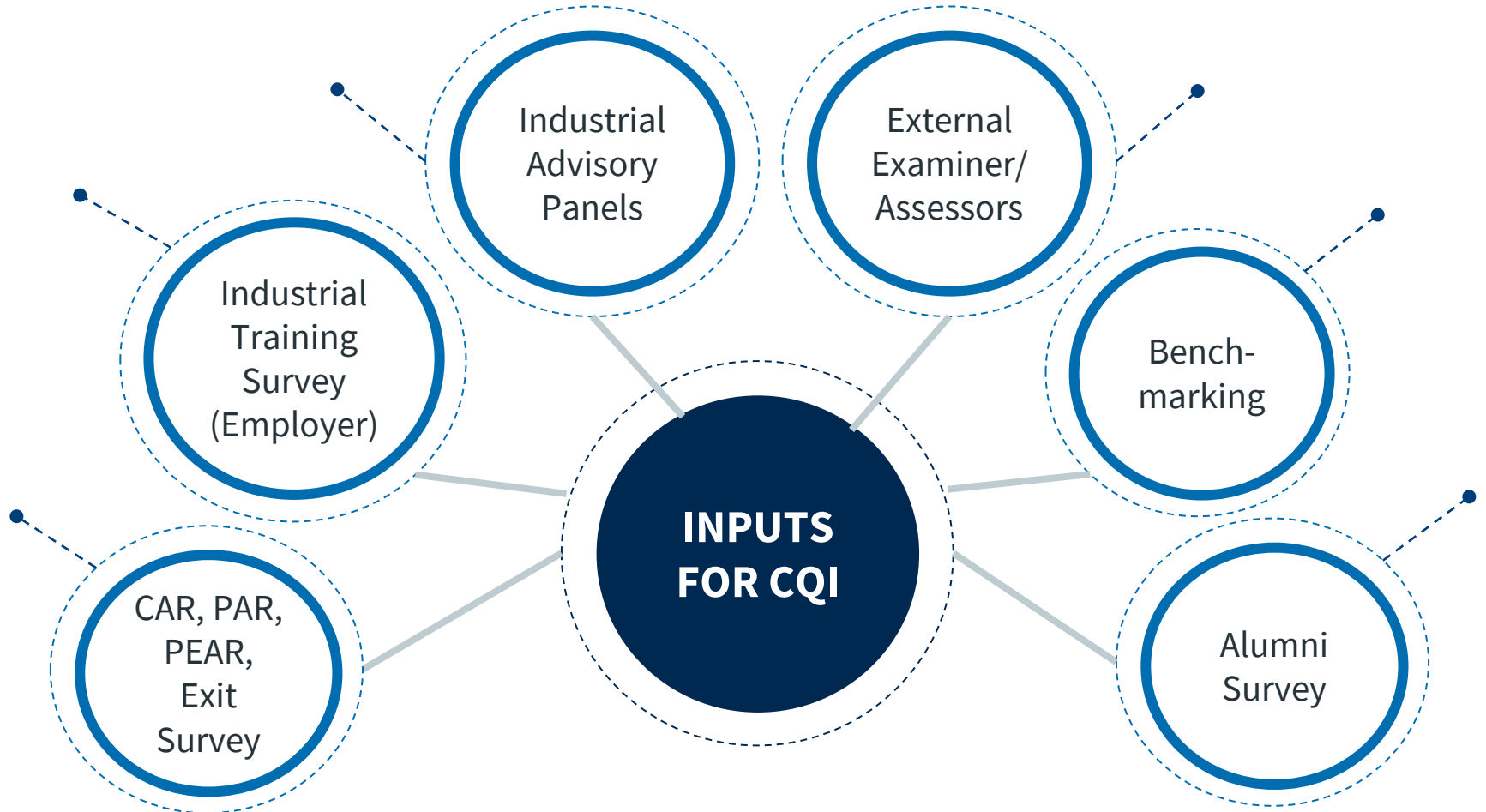


# LAYERS OF CQI

**Course  
Outcomes**

**Programme  
Outcomes**

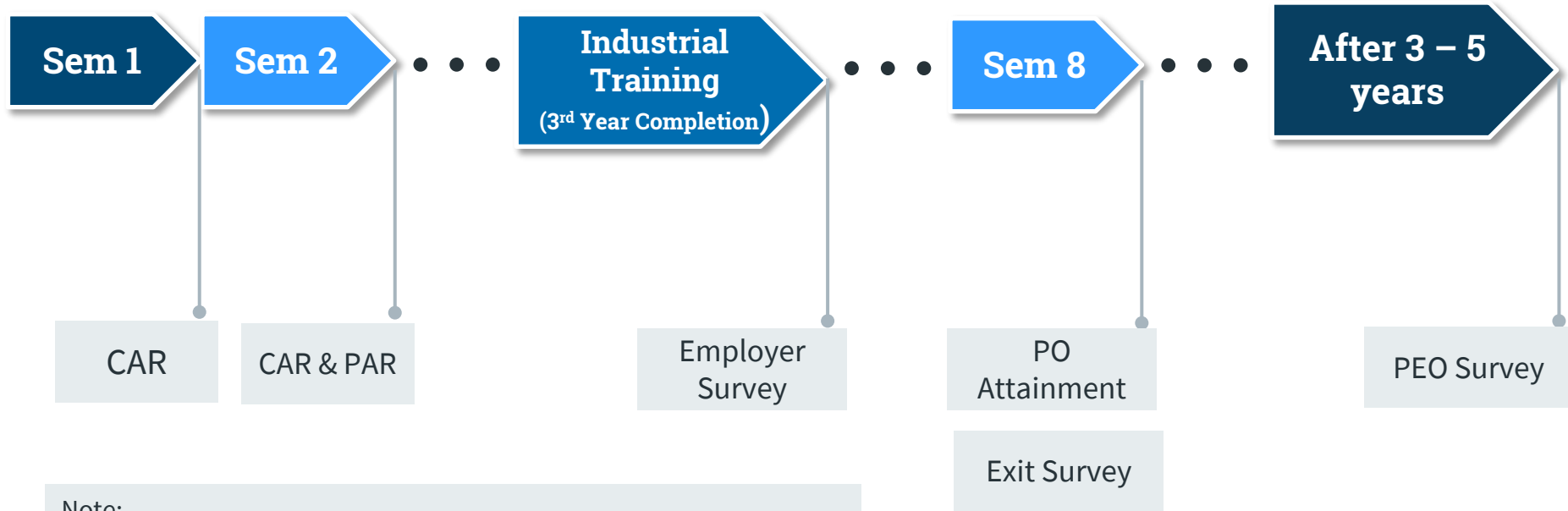
**Programme  
Educational  
Outcomes**







# THE PROCESS & DOCUMENTATION



Note:  
 CAR - Course Assessment Report  
 PAR - Programmes Assessment Report  
 PEAR - Programmes Education [Outcomes] Assessment Report



# CONCLUSION

- © The process flow in the OBE needs to be identified and continuously improved.
- © Data and documents from each process have to be documented and analysed.
- © The spirit of CQI is to continually improve regardless the outcomes are attained or not.