

STAKEHOLDERS FOR OUTCOME-BASED EDUCATION IN NIGERIAN UNIVERSITIES

A TRAIN THE TRAINERS REGIONAL WORKSHOP ON
IMPLEMENTATION OF OBE IN NIGERIAN UNIVERSITIES

BY

COUNCIL FOR THE REGULATION OF ENGINEERING IN NIGERIA
(COREN)

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Outcomes of the Workshop

At the end of this workshop, participants are expected to:

1. Identify relevant stakeholders for OBE Accreditation
2. Explain the potential contributions of stakeholders to achieving some criteria

Outline of the Workshop

1. Main Stakeholders for OBE Accreditation
2. Relevance of the contributions of stakeholders to accreditation criteria



Stakeholders for OBE



- 1) **Students**
- 2) **Academic Staff**
- 3) **Technical & Administrative Staff**
- 4) **Alumni**
- 5) **Employer**
- 6) **Parents**
- 7) **University Administrators**
- 8) **University Proprietors**
- 9) **COREN/ NUC**

1. Know the required Programme Outcomes and Programme Educational Objectives (available at the University website).
2. For each course, review the Course Learning Outcomes (available at the institution website) at the beginning of each semester. This gives an idea of the knowledge and skills expected from a particular course.
3. Be more proactive in the learning process in order to acquire the Learning Outcomes of subjects.



4. Demonstrate through the assessment methods that the required skills and knowledge have been acquired.
5. Attain the Programme Outcomes and Programme Educational Objectives immediately and 3-5 years after the entire programme respectively.
6. Give constructive feedbacks on the programme/course/academic staff in order to obtain accreditation through active participation in Online Teaching Evaluation, Academic Advisory System, dialog sessions with Dean, etc.

7. Students input will help in programme to introduce the elective courses to meet current trends.
8. Students feedback is considered to introduce innovative teaching and learning methodologies.

1. Development / Review PEOs, POs, course structures and syllabi.
2. Teach the relevant engineering, Maths, and other relevant subjects.
3. Conduct relevant tutorials and laboratory practical sessions.
4. Give appropriate guide on assignments and projects.
5. Conduct empirical measurements of POs.
6. Prepare the required documentation for Accreditation.
7. Provide inputs for designing the programme, PEOs/POs establishment, Course Objectives and assessment.

8. Assure COREN and public on the standard of our graduates.
9. Obtain and maintain accreditation from COREN through Continuous Quality Improvement (CQI).
10. They are involved in various committees to check the consistency of the programme.

1. Represents the major end users of our graduates.
2. Gives higher focus to the program on future data to create awareness with current industry.
3. Gives inputs which overcome the gap between program and industry.
4. Participate in the development/ review of PEOs, evaluation of the level of achievement of the PEOs and POs.
5. Provision of additional support to sustain and enhance the quality of the programme.

6. Provision of conducive work environment.
7. Provision of Industrial training placements for Engineering Programmes.
8. Participate in industrial advisory board of Engineering Programme.
9. Encourage students to participate in industrial discussions and fora, professional practice exposure, and collaborative projects / research for the solutions to engineering problems.
10. Participate in students' activities and involvement in student organizations to provide experience in management and governance, representation in education and related matters and social activities.



1. Focus group because they are a measure of the long-term success of the programme.
2. Alumni feedback helps in curriculum design to meet recent trends in engineering.
3. Recollect their existence during their programme study and advise the department with necessary inputs in point of student career.
4. Participate in students' activities and involvement in student organizations to provide experience in management and governance, representation in education and related matters and social activities.
5. Provision of additional support to sustain and enhance the quality of the programme.
6. Participate in the development/ review of PEOs, evaluation of the level of achievement of the PEOs and POs.

1. Expects their wards in good professional career and higher education.



1. Provision of adequate teaching and learning facilities such as classrooms, learning-support facilities, study areas, information resources (library), computing and information-technology systems, laboratories and workshops, and associated equipment to cater for multi-delivery modes.
2. Provision of adequate support facilities such as hostels, sport and recreational centres, health centres, student centres, and transport in facilitating students' life on campus and enhancing character building.
3. Employment and retention of qualified and adequate teaching and non-teaching staff.



4. Provision of adequate financial resources and support to sustain and enhance the quality of the programme.

1. Participate in the development/ review of PEOs (through the E & T C)
2. Ensure adherence to the best practices towards achievement of the PEOs and POs (through the E & T C)
3. Provision and enforcement of relevant benchmarks and regulatory framework to sustain and enhance the quality of the programme.
4. Organize various sensitization programmes to promote OBE best practices and quality assurance.
5. Ratification of Accreditation reports recommended by E & T Committee.



□ Operators at Departmental level to Ensure the Engineering Programme Conform with the Following:

1. Develop Well-defined and published POs
2. Develop the Capacity to conduct mapping and matching of the various outcomes and the students
3. Mapping of POs to PEOs
4. Deploy teaching-learning and assessment methods appropriate and supportive to the attainment of POs.
5. Ensure Quality of assessment mechanism to evaluate achievement levels for all the POs by each student.

ROLES OF HODs, EXAM OFFICERS, LECTURERS, LEVEL ADVISERS AND INSTRUCTORS,ETC...

5. Drive and sustain the Process to ensure:
 - a. Assessment results are applied to further refine the assessment mechanism
 - b. Redefine the programme outcomes, thus leading to continuous improvement of the programme.

ROLES OF UNIVERSITY ADMINISTRATORS

□ Vice Chancellors

- ✓ Champion the transition of all Engineering Programmes from old to OBE accreditation
- ✓ Create the enabling environment conducive for the domestication of OBE
- ✓ Provide support and encouragement to relevant staff to imbibe the new

□ Dean/Provost

- ✓ Provide mentorship on the promotion of OBE
- ✓ Provide technical support needed by all programmes
- ✓ Facilitate synergy and collaboration between programmes to ensure sustenance of the OBE

□ HODs/Coordinators

- ✓ Identify skill gaps necessary to drive the process seamlessly
- ✓ Coordinate the capacity building activities for the various categories of staff
- ✓ Effective supervision of the various categories of staff implementation
- ✓ Timely documentation of relevant records, reports, minutes, etc

ROLES OF PRACTITIONERS FROM THE INDUSTRY

□ The Followings are critical tasks expected of the Practitioners from the Industry to ensure inclusiveness in the promotion of OBE during Training of future Employees:

- ✓ Participate in the development of PEOs and POs
- ✓ Participate in the regular review of CLOs
- ✓ Provide opportunities for Industrial Placement and Mentoring of Engineering trainees
- ✓ Assessment, Evaluation and Review of Programme Outcomes and Educational Objectives periodically.
- ✓ Participating in teaching and learning processes (engagement of adjunct Lecturers)
- ✓ Joint project and Research collaboration
- ✓ Supporting the Programme in kind and sponsorship of endowed chairs
- ✓ Access to and usage of laboratories/workshops and other training resources

Exercise 1

Rank the OBE stakeholders and justify your ranking based on their importance for the Programme?

References

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- S. S. Chong, *Outcome-based Education (OBE), 2008, UTAR* (<http://www.utar.edu.my/fes/file/OBE.pdf>).
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Thank
you



The End

Q & A