COREN ACCREDITATION: PROCESS AND EVALUATION

A WORKSHOP
ORGANISED BY
COUNCIL FOR THE REGULATION OF ENGINEERING IN NIGERIA (COREN)

ON 08th MARCH, 2021

Outcomes of the Workshop

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

1. know different types of COREN Accreditation Visits.
2. explain in detail the Procedure for COREN Accreditation
3. understand COREN OBE Engineering Accreditation Criteria.

SECTION A
CORENACCREDITATION VISITS

TYPES OF ACCREDITATION VISITS

Resource Verification Visit

1. The Institution apply for Resource Verification at least **9 months** before the first intake of students.

2. A grace period of six (6) months shall be given, If engineering facilities and equipment are found to be inadequate and Resource Inspection visitation conducted again.

TYPES OF ACCREDITATION VISITS …

Pre-Accreditation Visit

1. 1 years after the Resource verification approval, COREN shall conduct Pre-Accreditation Exercise.

2. An institution that scores more than 50% shall be granted “Passed Pre-Accreditation” by E &T C.

3. New programme shall be given interim accreditation status until there are feedbacks on the performance of graduates meeting ***societal needs*** (such as Employers, Alumni, PEOs, Community Services, etc.).

TYPES OF ACCREDITATION VISITS …

Accreditation Visit

1. Programme seeking accreditation for the first time applies for Accreditation visit towards the end of the sixth semester (Third year of study).

2. The programmes seeking re-accreditation apply within the last year, but not exceeding six months before the expiration from the accreditation period granted.

3. All cases of non-compliance shall attract a penalty of 20% administration cost of the total cost of the accrediting the programme.

TYPES OF ACCREDITATION VISITS …

Post Accreditation Visit

1. COREN shall conduct unannounced Post Accreditation visits to the institutions in order to maintain the standard of the programme.

2. The visit is to be conducted by selected Evaluators whose report goes directly to the Registrar.

Section B-
PROCEDURE FOR COREN ACCREDITATION VISITS

PROCEDURE FOR ACCREDITATION VISIT

- COREN conducts accreditation of engineering programmes based on the following steps:

Identify and publish programmes that are in the last year of their accreditation statuses.

COREN notifies concerned institutions on accreditation expiration (at least 12 months).

6 months before the expiration of the existing accreditation status, the institution informs COREN of their readiness for the accreditation exercise by sending in a completed SAR

PROCEDURE FOR ACCREDITATION VISIT …

If the SAR submitted is found satisfactory, the COREN schedules an accreditation visit. Otherwise, the institution is asked to provide further information before an accreditation visit is scheduled.

If the required information is not provided within 3 months [non-compliance], the accreditation process shall attract a penalty of 20% of the total cost of accrediting the programme.

At the expiration of the second warning, the programme shall be deem to have failed accreditation and graduates of the programmes shall not be eligible for COREN registration

Selection/Notification of Evaluators by E & T C (Section 2.11).

PROCEDURE FOR ACCREDITATION VISIT …

COREN sends the list of the Evaluators to the institution (30 days before Accreditation Visit) in order to resolve any conflict of interest.

Submission of SSR to COREN by the institution at least 1 month before the scheduled visit.

COREN sends the SSR and other necessary documents to the Evaluators at least 2 weeks before the scheduled visit.

The visitation team conducts accreditation process and prepares a report on their findings using the accreditation manual and BMAS

PROCEDURE FOR ACCREDITATION VISIT …

Presentation of the accreditation visitation report to the COREN.

Deliberation on the accreditation reports and decision-making by E & T Committee of COREN.

E & T Committee of COREN decision on accreditation status is forwarded to COREN Council for notification.

The Registrar communicates E & T Committee's decision on the status of accreditation to the concerned institutions.

E&T Committee of COREN updates the institution's accreditation status on the COREN website.

E&T Committee of COREN receives and acts on appeal for consideration, if any

Section C-
COREN OBE ENGINEERING ACCREDITATION CRITERIA

OBE ENGINEERING ACCREDITATION CRITERIA

1. Programme Educational Objectives (PEOs)
2. Programme Outcomes (POs)
3. Course Learning Outcomes (CLOs)
4. Curriculum and Learning Process
5. Students
6. Continuous Quality Improvement (CQI)
7. Staffing
8. Physical Facilities and Infrastructures
9. Institutional Linkage and Community Services
10. Institutional Support and Funding

Criterion 1: Programme Educational Objectives

What is expected a few years (say 3- 5 years) of graduation (What the programme prepares graduates in their career and professional accomplishments)

Criterion 2: Programme Outcomes

What attributes (Knowledge, Skill and Attitudes) students should have by the time of graduation

COREN's 12 POs are identical to that of WA

CORENBMAS Programme Outcomes

A graduate of an engineering programme to be accredited by COREN is expected to have ability in:

1. Engineering Knowledge
2. Problem Analysis
3. Design/Development of Solutions
4. Investigation
5. Modern Tool Usage
6. The Engineer and Society
7. Environment and Sustainability
8. Ethics
9. Individual and Team Work
10. Communication
11. Project Management
12. Lifelong Learning

Criterion 3: Course Learning Outcomes

What attributes (Knowledge, Skill and Attitudes) students should have during or by the end of a course

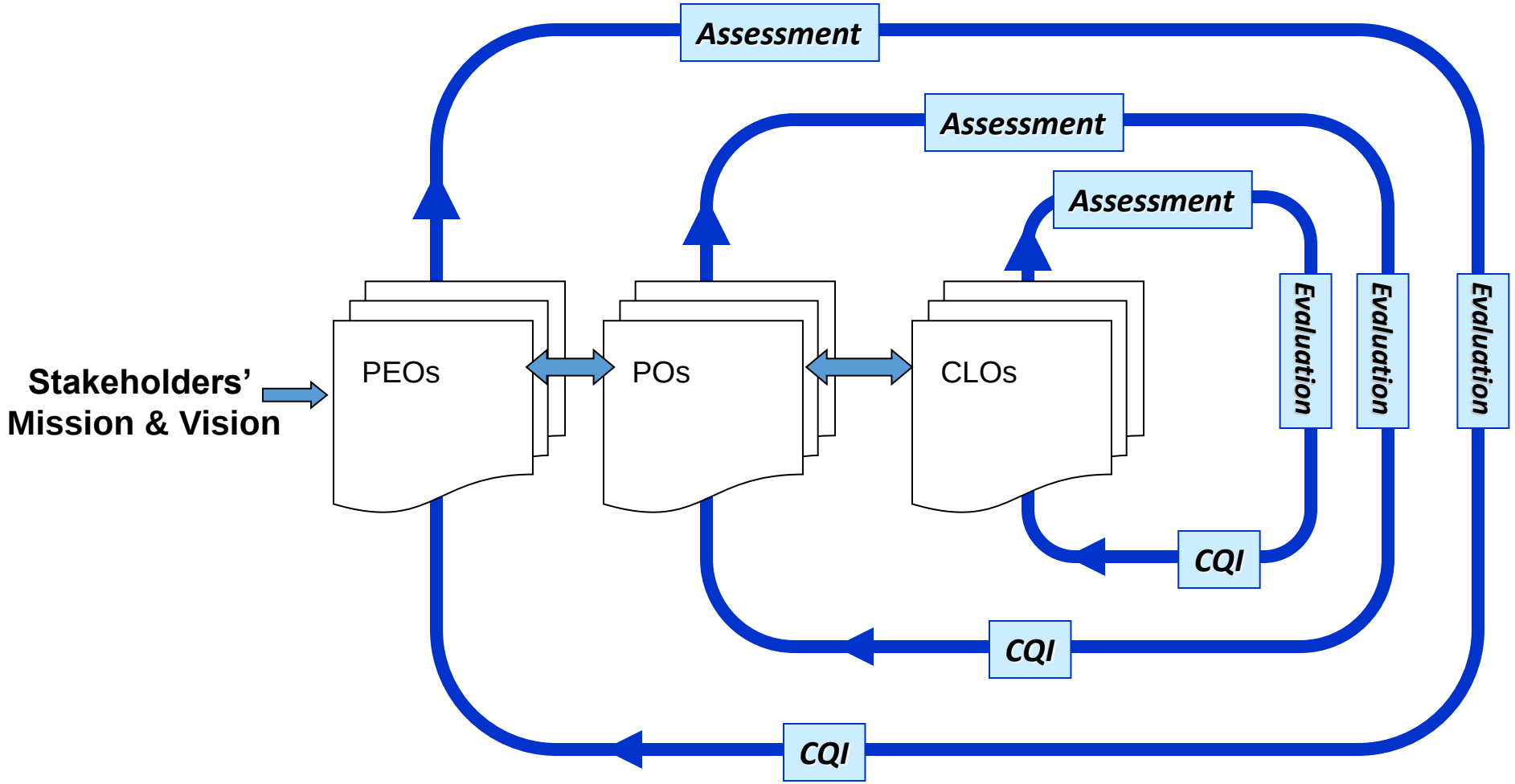
Criterion 4– Curriculum and Learning Process

1. 5-year, 10-semester programme (UTME students).
2. 4 & 3 year for Direct Entry Students.
3. Minimum Fifteen (15) weeks of teaching, excluding time of examination(s)
4. The general framework defined by National Universities Commission (NUC) Curriculum Guideline and COREN BMAS (2017).
5. Industrial training programme
6. Laboratory work
7. Design projects
8. Final year project
9. Assessment of learning outcomes

Criterion 5 - Students

1. Admission criteria
2. Annual intake
3. Admission response
4. Transfer of students
5. Academic counseling
6. Class size (theory)
7. Class size (practical)
8. Participation in competition
9. Semester academic load
10. Completion of courses and student feedback
11. Student performance evaluation
12. Career and student wellness counseling

Criterion 6–Continuous Quality Improvement (CQI)



Criterion 7–Staffing

1. Academic Staff strength
2. Full-time dedicated Academic Staff
3. Shared Academic Staff
4. Visiting Academic Staff
5. Academic Staff qualifications
6. Student/faculty ratio
7. Staff training & mentoring
8. Staff Retention, Development and Career Planning
9. Pyramid of Academic Structure
10. Staff workload
11. Staff Research & Publications

Criterion 8–Physical Facilities and Infrastructures

1. Adequate teaching and learning facilities such as classrooms, learning-support facilities, study areas, information resources (library), computing and information-technology systems, laboratories, workshops, and associated equipment to cater for multi-delivery modes.

2. Adequate of support facilities such as hostels, sports and recreational centres, health care centres, student centres, and transport in facilitating students' life on campus and enhancing character building.

Criterion 9: Institutional Linkage and Community Services

1. Opportunity to students for training, consultancy, R&D and exposure to professional practices.

2. Students are expected to undertake assignments from industry to provide solutions to complex engineering problems.

3. Students and faculty encouraged to establish collaboration for R&D and product development related projects, with due regard to environmental and societal impact.

4. Feedback from the industry and employers is crucial and an essential part of curriculum review process used to evaluate attainment of the program objectives.

Criterion 10: Institutional Support and Funding

1. Financial resources and their commitment to support an engineering programme.

2. Adequacy of these resources in sustaining the program, with a view to its up-gradation and future enhancements

SECTION D:
ACCREDITATION EVALUATION, CONFIDENTIALITY AND CONFLICT OF INTEREST

ACCREDITATION EVALUATION

The evaluation exercise shall be conducted by a Team of Evaluators appointed by COREN.

CONFIDENTIALITY

All Documents and information obtained during the process of accreditation exercise shall be treated as confidential.

CONFLICT OF INTEREST

1. Members of Council, E & T Committee and Department staff are expected to be constantly aware of any conflict of interest.

2. Members of Council and E & T Committee shall declare their interest or withdraw from any situation or activity that may constitute a conflict of interest.

Thank you

The End

Q & A