

IEM Roadmap to Washington Accord From 2017 to 2027

2017

- Launch of Pilot Project in January 2017
- Secure collaboration of HEIs, PEIs, CRPE, IEM, educational authorities, and the industry,
- Run Familiarization Workshops on IEA/Washington Accord, Graduate Attributes, Accreditation standards, criteria and process, and programme evaluation.
- Develop a Governance Structure for an Engineering Accreditation Board for IEM.
- Amend Constitution of IEM to provide for an EAB

2019

- Complete drafting of all Accreditation related documentation : Accreditation process, HEIs Self study Reports, Formats for Team Leader's Report, and submit to ECSA for scrutiny and advice.
- Continue Capacity Building; Run training programmes for evaluators.
- Pursue arrangements with ECSA for a further mission in Mauritius for Review of draft documents, training of evaluators, secure arrangements for potential evaluators to observe accreditation assignments by ECSA in South Africa.

2021

- Engage with National Board of Accreditation (NBA) India as Second Mentor.
- ECSA and NBA examine IEM-EAB's preparedness for an eventual application for Provisional Membership of Washington Accord.
- Monthly mentoring sessions through Video Conferencing links provided by Myanmar Engineering Council ; WFEO=UNESCO-IEA join in through Dr Marlene Kanga AO.
- Targets: Review of EAB Documents; IEM Constitution re-autonomy of the EAB and decision process; the IEM-CRPE MoU on recognition of accreditation by IEM and WA signatories; Compliance with Schedule B1 Requirements; Organisation Structure of the EAB.
- Whether IEM has an accreditation system in place and capacity to conduct accreditation of HEIs' programmes.
- Discuss with HEIs on their preparedness to submit programmes for mock accreditation by IEM, prior to IEM undertaking Regular Accreditation of two programmes at two Universities.

2023

- IEM and HEIs discuss feasibility of HEIs submitting RFE for two programmes each to IEM.
- UoM submits RFE on 19th March 2023 for BEng (Hons) Chem Eng & BEng (Hons) Telecom Eng with Networking. EAB Chair initiates Accreditation process.
- UTM submits RFE on 31st March 2023 for BEng (Hons) Electronic Eng, & BEng (Hons) Telecom Eng; EAB Chair initiates Accreditation Process.
- Schedule Accreditation for November 2023, to be observed by Mentors, acting as Nominators for IEM's application to WA, complete accreditation tasks by end of December 2023. [Actually completed 26 January 2024] submission to WA.

2025 / 26

- Engage two Mentors with WA approval.
- Pursue training of Evaluator and offer training workshop to HEIs on Outcome Based Education and assessment.
- Review accreditation documentation and Training manuals/presentations as may be required.
- Review training of Accreditors; ensure availability of accreditors to serve as Visit Leaders and Team Leaders for programmes likely to be submitted for accreditation.

2018

- Set up the EAB, and the Governance committees.
- Secure commitment of HEIs to Outcome Base Education. Invite interest from academia and professional engineers for registering as Evaluators of engineering degree programmes.
- Engage support of ECSA to capacitate IEM to Provisional Membership of Washington Accord, and agreement to adapt ECSA accreditation documentation for the EAB.
- Secure services of ECSA (under MoU) for running workshops on the ECSA BEng standard, accreditation criteria and accreditation process.
- Set up one or more Drafting Committees and assign responsibility for drafting documents on IEM Policy, the BEng Standard and accreditation criteria.

2020

- Review of accreditation documents by Documentation Review Committee; Run a Validation workshop on all EAB documents and obtain consensus on the EAB accreditation policy and other documents, especially the BEng Standard and Accreditation Criteria.
- Work with HEIs (UdM and UTM) on review of programmes to conform to EAB requirements
- Pursue training of Evaluators and make arrangements for EAB evaluators to observe UoM accreditation by ECSA.

2022

- Mentors advise IEM to run mock accreditation. IEM secures commitment from HEIs for submission of programmes for Mock-accreditation.
- Schedule mock-accreditation for June 2022 (UoM : 2 programmes), (UdM : 1 programme) and (UTM : 2 programmes)
- Mentors will be available for observing mock-accreditation. NBA (Dr. S. Agrawal) and WFEO Education Committee Dr Marlene Kanga to attend. ECSA Prof. B. Collier-Reed will observe Plenary sessions and intervene over Video Conference links. IEM to arrange for logistics. HEIs agree to provision of site logistics.
- Objectives: Mock Accreditation will provide Mentors opportunities to:
 - (i) observe capacity of IEM-EAB and its evaluators to conduct accreditation activities and adhere to procedures.
 - (ii) offer guidance to HEIs on the development of Outcome Based Engineering education programmes.
 - (iii) provide feedback to IEM- EAB on issues arising from EAB's programme evaluation and the conduct of accreditation visits and tour of facilities and interview of stakeholders.
 - (iv) assess the capacity of UoM, UdM, and UTM to deliver outcome-based education, especially the graduate attributes.
 - (v) offer training sessions on Outcome Based Education- Writing Learning Outcomes statements.

2024

- Submit Application to WA Secretariat end of January 2024
- Standby for replies to queries from Signatories
- Attending Meeting of IEA (New Delhi- June 2024)
- If successful, then continue Capacity Building efforts through training of evaluators and EAB members. If not, continue Capacity Building efforts.
- Work with HEIs to enhance quality of submission towards full compliance with WA Schedule B1 and B2 Requirements.
- Work with HEIs to ensure programmes as well as teaching pedagogy and learning are outcome based, and continuous monitoring and assessment of achievement of GAs are in place and effective.

2027

- Schedule Regular Accreditation of two programmes at two Universities for Observation by £ Reviewers.
- Application for full membership of the WA
- If successful, Mauritius through IEM EAB becomes a full signatory of the WA; if not continue Capacity Building endeavours.
- IEM to work to sustain accreditation competence.