

Standing Committee on Education in Engineering

Activity Report 2020-2021 to WFEO GA

- Myanmar Engineering Council hosted the International Conference on Engineering Education Accreditation, ICEEA 2021, virtually from 14 ~ 16 January 2021, presided by Prof. Dr. Charlie Than, Chair of CEIE, with the theme of Quality Engineering Education towards Sustainable Development. The conference catalyzed academia from the international and Asia Pacific region to share experience and exchange their good practices and insights from their engineering education and accreditation practice perspectives. The speakers from established organizations include:

- United Nations Educational, Scientific and Cultural Organization (UNESCO)
- International Engineering Alliance (IEA)
- World Federation of Engineering Organizations (WFEO)
- Federation of Engineering Institutions of Asia and the Pacific (FEIAP)
- Institute of Engineering Education Taiwan (IEET)
- Engineers Australia (EA)
- Accreditation Board for Engineering and Technology, USA (ABET)
- Board of Engineers Malaysia (BEM)
- Institution of Engineers Mauritius (IEM)
- China Association for Science and Technology (CAST)
- Philippines Technological Council (PTC)
- National Board of Accreditation (NBA)
- Institution of Engineers (India)
- Institution of Engineers Singapore (IES)
- Technische Hochschule Georg Agricola (THGA)

- WFEO Members and IEA Signatories who have agreed to provide mentoring support include Myanmar Engineering Council (MEngC), National Board of Accreditation India (NBA), Pakistan Engineering Council (PEC), Institution of Engineers Sri Lanka (IESL), China Association of Science and Technology (CAST), Board of Engineers Malaysia (BEM) and Engineering Council of South Africa (ECSA). UNESCO WFEO IEA WG2: Capacity Building on Engineering Education had its second meeting virtually on 26 February 2021. Dr. Peggy Oti-Boateng, Director, Capacity Building Section, Natural

Sciences Sector, UNESCO Paris, and Prof. Elizabeth Taylor, Chair of the Washington Accord, attended the meeting.

- Dr. Marlene Kanga, the immediate past president of WFEO, attended every working group meeting and provided her invaluable support and guidance.
- The Review of the Engineering Education Benchmarks for Graduate Attribute and Professional Competencies (GA-PC) was approved by the International Engineering Alliance Annual Meeting in June 2021.
- The Biennial Report 2019-2021 was successfully submitted in June 2021.
- Mentoring tracking schedules are closely monitored to meet CEIE's aim to achieve new IEA signatories in the near future.
- The mentoring sessions with the National Board of Accreditation India, and the Engineering Council of South Africa for Mauritius have been progressing successfully since February 2021. Institution of Engineers Mauritius has successfully amended their Constitution and revised the MoU with the Council of Registered Professional Engineers of Mauritius (CRPE) to ensure its independence. Institution of Engineers Mauritius (IEM) completed the IEA Schedule B1 Item 1 (a) to (h) and is currently progressing to align with IEA Schedule B1 Item 2 (a) to (j).
- The mentoring sessions with Pakistan Engineering Council (PEC) and Board of Engineers Malaysia (BEM) for Engineers Board of Kenya (EBK) have started since February 2021. Currently, EBK is working on the constitutional structure independency to meet IEA requirements on the full autonomy of its Accreditation Board.
- The report on IEAM, STI 2020 – 2021 was submitted in October 2021.
- The second meeting of UNESCO WFEO IEA WG2 was conducted virtually on 20th December 2021. Dr. Peggy Oti-Boateng, Director, Capacity Building Section, Natural Sciences Sector, UNESCO Paris, and Prof. Elizabeth Taylor, Chair of the Washington Accord, attended the meeting.
- Ghana Tertiary Education Commission is discussing with regarding mentoring to reach the international signatory status of the International Engineering Alliance (IEA). CAST agreed to be a mentor. The preliminary meeting was virtually held on 17th February 2022.
- The Committee on Education in Engineering Full Meeting was held on 19th February 2022. The former chair of the CEIE Committee Prof. Charlie Than transferred the chairmanship to the acting chair Dr. Zaw Min Aung. The meeting agreed to host an International Conference on Engineering Education Accreditation in 2022, to include CEIE activities in IDEAS Journals and to have more regular meetings in 2022.