ORGANISED BY:

Institute of Engineers, Bangladesh

Board of Accreditation for Engineering and Technical Education

International Symposium on QUALITY ASSURANCE IN ENGINEERING EDUCATION THROUGH ACCREDITATION-II

26-27 August 2020

Implementing Accreditation during the Covid-19 Pandemic - the EAB Way

HOST SPONSORS:

GPH ispat

CROWN CEMENT FOR SOLID FOUNDATION

Presentation by

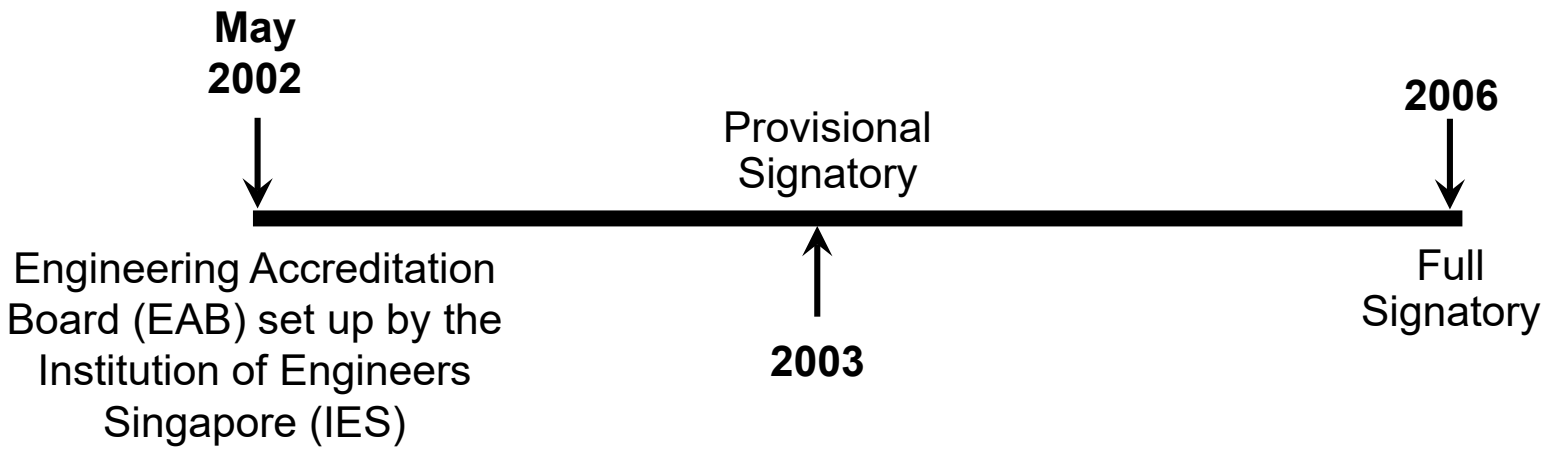
Dr TOH Siew Lok

Director, Engineering Accreditation Board,

The Institution of Engineers, Singapore

THE INSTITUTION OF ENGINEERS - SINGAPORE -

Background



Prior to 2002: Engineering programs were accredited by overseas accrediting bodies such as the engineering institutions of EC UK and ABET

EAB comprises 20 members of various engineering background

- IES members, non-government organizations, industry and business community;
- the Professional Engineers Board, Singapore;
- Universities with engineering programmes.

EAB's Accreditation system

- Benchmarked to meet requirements of Washington Accord
- Academic programs should be equivalent to a 4-year full-time course
- Evaluation process comprises (a) **Self Assessment Report (SAR)** and (b) **Campus Visit**
  - Assessment of each program is based on the following 11 accreditation criteria:

CRITERION 1	– MISSION AND PROGRAMME EDUCATIONAL OBJECTIVES
CRITERION 2	– STUDENT LEARNING OUTCOMES
CRITERION 3	– CURRICULUM AND TEACHING-LEARNING PROCESSES
CRITERION 4	– STUDENTS
CRITERION 5	– FACULTY MEMBERS
CRITERION 6	– FACILITIES AND LEARNING ENVIRONMENT
CRITERION 7	– INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES
CRITERION 8	– GOVERNANCE AND CONTINUOUS QUALITY IMPROVEMENT
CRITERION 9	– INTERACTION BETWEEN EDUCATIONAL INSTITUTION AND INDUSTRY
CRITERION 10	– RESEARCH AND DEVELOPMENT
CRITERION 11	– SPECIFIC PROGRAMME CRITERIA

The Self Assessment Report (SAR) will need to address the above criteria

Evaluation Team

Each Evaluation Team (3) will normally comprise:

- One international member (usually from a WA signatory) – Team Chair
- At least one from industry
- An academic

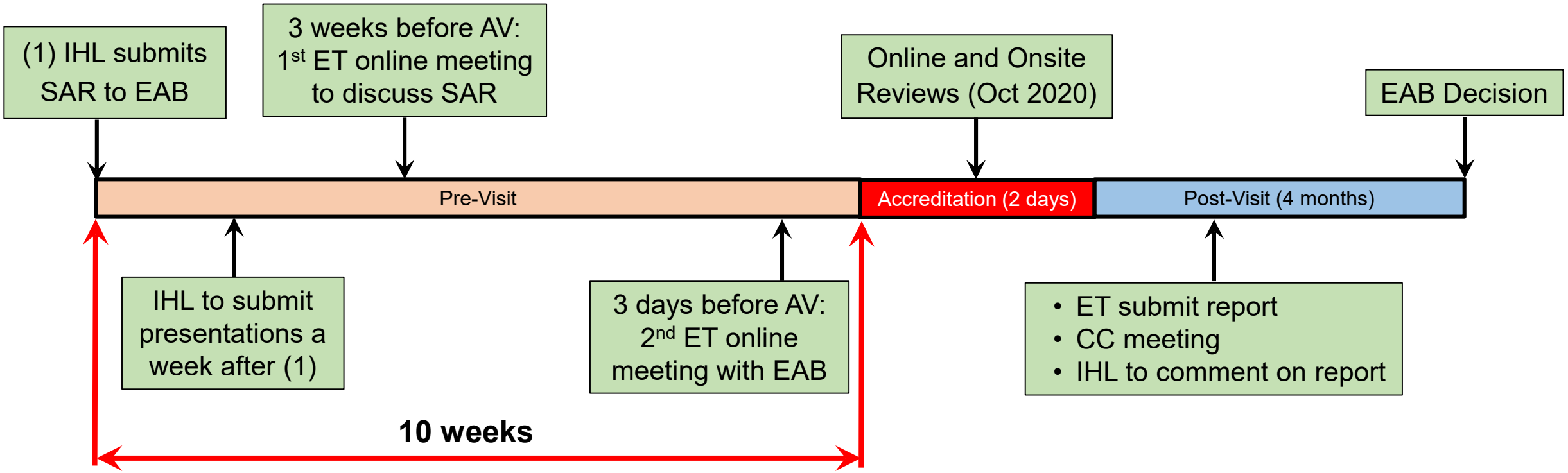
Accreditation Visits:

- 6 programs in 2020
- 10 programs in 2021

→ 2 programs (Provisional) in Oct 2020 and 4 programs (Full) postponed to March 2021

Challenges – What can and cannot be done online?

“Hybrid” Accreditation Process during Covid-19 Pandemic



Day 1: Online Review	
Time	**Activities**
09:00	Evaluation Team (ET) members and observers meet online with introduction and short briefing by the Department
09:45	Panel members and observers meet with Institution of Higher Learning (IHL) for further clarifications for the following criteria: - Criterion 01 Mission and Programme Educational Objectives - Criterion 02 Student Learning Outcomes - Criterion 03 Curriculum and Teaching-Learning Processes - Criterion 11 Specific Programme Criteria
10:30	Meet with top management team of IHL to review issues raised, finances, governance for following criteria: - Criterion 07 Institutional Support and Financial Resources - Criterion 08 Governance and Continuous Quality Improvement
12:00	Online private meeting of panel followed by lunch break
13:30	Team to meet with students online, including members of management team of student's club to review the following criterion: - Criterion 04 Students
14:30	Team to have online meeting with academic staff members, research leaders to review the following criteria: - Criterion 05 Faculty Members - Criterion 10: Research and Development
15:30	Team to have online meeting with IHL industry partners to review the following criterion: - Criterion 09 Interaction between Educational Institution and Industry
16:30	Online private meeting of ET to sum up
18:00	End of Day 1 review

Day 2: Onsite/Online Reviews	
Time	**Activities**
09:00	Arrival of local ET members and observers at IHL campus; introduction and short briefing by Department
09:30	a. Tour of classrooms and laboratory facilities including research facilities (with emphasis on those for teaching of undergraduates) and/or library to assess the following criteria: • Criterion 06 Facilities and Learning Environment • Criterion 10 Research and Development and b. ET to concentrate on looking at things that assist with addressing: • Criterion 1: Mission and Program Objectives; • Criterion 2: Program Outcomes and Teaching Processes; • Criterion 3: Curriculum and Teaching Processes; • Criterion 11: Specific Programme Requirements such as assessment system, exam papers, marked scripts, final year projects, effectiveness of teaching and learning, internal curriculum development quality assurance, student feedback mechanisms, etc.
12:00	Lunch Break
13:00	ET depart from IHL
14:00	Online private meeting of ET to consider and confirm findings on the earlier criteria.
16:00	Online exit meeting of ET with Department Management Committee and members of Department Accreditation Committee
18:00	End of Day 2 review

Thank you for your attention

Stay Safe and Stay Healthy