

Summary of discussion held on Nov 11, 2020 on the theme Material Science and Renewable Energy

Leaders/Thematic coordinators from ACEs (Nigeria and Rwanda) and Indian Institutions (IIT Bombay, JNCASR Bengaluru and ARCI Hyderabad) participated in the meeting held online on Nov 11, 2020.

Leaders from ACE Kenya and Uganda could not attend the meeting.

Following has been decided.

1. To organise webinar and online workshop instead of conventional Seminar or workshop on different topics by each thematic groups:

After deliberations it was decided online webinars shall be organised on common interest topics. Each webinar shall be of 2 hour duration and two experts from India and two experts from ACEs shall speak for 15 minutes each through PPTs followed by the discussions with the objective of sharing the knowledge and outlining for possible joint research project. The webinar shall be open to the students and faculty of participating ACEs and Indian Institutions. New ACEs under water theme may also be able to join webinar.

Tentatively the first two webinars shall be held as detailed below:

(a) Dec 16, 2020 (Wednesday) IST 1500 - 1700 hrs Topic: Materials for Battery

Experts from Nigeria and Kenya ACEs and One expert each from IIT Bombay and ARCI Hyderabad shall speak in the webinar followed by discussions.

All coordinators from respective ACE and Indian Institution shall finalise the name of the expert to speak in the webinar by Nov 23, 2020, so that the details of the webinar are adequately notified and advertised.

(b) Jan 13, 2021 (Wednesday) IST 1500 - 1700 hrs Topic: Computer Simulation in Material Science

Experts from Uganda and Rwanda ACEs and One expert from JNCASR Bengaluru and IIT Bombay shall speak in the webinar.

All coordinators from respective ACE and Indian Institution shall finalise the name of the expert to speak in the webinar by Nov 23, 2020, so that the details of the webinar are adequately notified and advertised.

The topics for other monthly webinars may be decided during the coming time and may be finalised by Dec 20, 2020 so that enough preparatory time may be available to respective speakers and institutions for announcement and participation.

2. Guidance to the doctoral and master's students may be also considered on line till such a time situation of physical presence become clear and possible

Coordinators of various ACEs appreciated the proposal of online guidance (due to ongoing pandemic conditions having complete uncertainty) to the doctoral and master students by the faculty of Indian Institutes. However this will be limited only to the topics having no experiments. In this regard, ACEs shall send to Indian Coordinators the details of students who are proposed for such guidance along with their topics and details of the proposed research, details of ACEs supervisor, status in terms of course work completed etc. On the receipt of the same Indian Thematic Coordinators will consult their colleagues in the institute and shall respond for the same. ACEs while sending the details may keep a good lead time say 4 to 6 months to commence such online guidance.

Further as mentioned during the meeting held on [May 13](#), 2020 as Indian mentor faculty spends considerable time with the Ph.D./ master students, it is desirable that they may be considered as additional supervisor by ACE for the respective Ph.D./master student. In view of this the ACE coordinators may discuss among their faculty and students and undertakes such steps.

Laboratory based testing work in Indian institutions may not be feasible henceforth under this arrangement and online guidance for such testing may be difficult.

Regards