



ASSAM SCIENCE AND TECHNOLOGY UNIVERSITY

(A State University of Government of Assam constituted by "Assam Science and Technology University Act, 2009")

Tetelia Road, Near Assam Engineering College, Jalukbari, Guwahati-781013, Assam

Website: www.astu.ac.in

ASTU/M.TechEE/2018/405/2607

Date: 10.09.2018

Minutes of the IInd meeting of Board of Studies for faculty of Energy Engineering held on 23rd August, 2018

The IInd meeting of Board of Studies for faculty of Energy Engineering was held on 23rd August, 2018 at the Conference Room, ASTU, under the chairmanship of Prof. Ashwini. Kr. Barua, Chairman, BOS, Energy Engineering. Hon'ble Vice Chancellor of Assam Science and Technology University delivered the welcoming address of the meeting. Dr. Nripen Das, Registrar, ASTU, also welcomed all the members of the reconstituted BOS. The following members were present in the meeting –

- Prof. Anup Kr. Gogoi (Rtrd. Prof, IITG), Member
- Prof. Rupam Kataki (Dept of Energy, Tezpur University), Member
- Dr. Kalyan Kr. Das (Dept of Mechanical Engineering, AEC), Member
- Dr. Dilip Kr. Bora (Dept of Mechanical Engineering, AEC), Member
- Dr. Pankaj Kalita (Centre for Energy, IITG), Member
- Dr. Devakanta Rabha (Dept of Mechanical Engineering, JEC), Member
- Er. M.R. Baruah (Former Senior General Manager – Tech, NRL), Member
- Dr. Plaban Bora (Dept. of Energy Engineering, ASTU), Invitee
- Dr. Bharat Kakati (Dept. of Energy Engineering, ASTU), Invitee
- Mr. Nabajit Dev Choudhury (Dept. of Energy Engineering, ASTU), Invitee
- Mr. Monoj Baruah (Dept. of Energy Engineering, ASTU), Invitee
- Dr. Biswa Ranjan Phukan, (Academic Registrar & Head, Dept. of Energy Engineering, ASTU), Member Secretary

Member Secretary Dr. B.R. Phukan elaborated the detail planning of starting the M.Tech (Energy Engineering) course for the academic session 2018-19. He also placed the draft of the course curriculum for M.Tech (Energy Engineering) prepared based on the guidelines of "AICTE Model curriculum for Postgraduate Degree in Engineering and Technology, January 2018" for discussion. The members present in the meeting discussed on the draft course curriculum and the following important points were recommended –

1. The Core Course (CC) on 'Energy System Modeling & Optimization' to be included in the 1st semester instead of 2nd semester (as proposed in the draft). Necessary modifications in Course Code in this regard are also to be incorporated.
2. The Core Course (CC) on 'Alternative Energy Technologies' to be included in the 2nd semester instead of 1st semester (as proposed in the draft). Necessary modifications in Course Code in this regard are also to be incorporated.
3. A Lab Course on 'Energy System Modeling & Optimization' to be included both in the 1st semester and 2nd semester, instead of including as 4 credit course in 2nd semester (as proposed in the draft). Credits to be equally distributed (i.e. 2 credits for each course) for the semesters. 1st semester course will be include the basic problem solving on the subject, while 2nd semester



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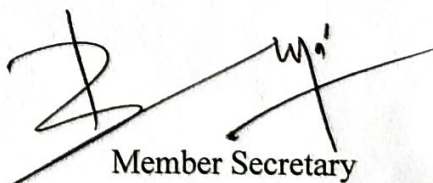
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course will basically focus on Computational Fluid Dynamics (CFD) based applications. Apart from these both 1st semester and 2nd semester will have another 2 credit lab course each, in which laboratory experiments relating to relevant energy technologies are to be covered. Total lab course in each semester will be of 4 credits. Necessary modifications in Course Code in this regard are also to be incorporated.

4. Scheme of Studies Per Week (L- T - P) for 'Foundation for Energy Engineering' (EECC18101) to be revised as '2-2-0' from '3-0-0', as proposed in the draft.
5. Scheme of Studies Per Week (L- T - P) for 'Solar and Bio Energy Technologies' (EECC18101) to be revised as '2-2-0' from '3-0-0', as proposed in the draft.
6. The unit with heading 'Basic Electrical Engineering' of 'Foundation for Energy Engineering' (EECC18101) to be replaced with 'Electrical Machines & Power Systems' leaving the topics under the unit as same.
7. The topic 'Introduction to Fuel Technology' to be included in 'Foundation for Energy Engineering' (EECC18101) course. 'Fuel & Combustion' part also to be included in 'Power Plant Engineering' (EEPE18205) course.
8. The draft course curriculum for M.Tech (Energy Engineering) prepared based on the guidelines of "AICTE Model curriculum for Postgraduate Degree in Engineering and Technology, January 2018" is approved with the incorporation of the suggested modifications (*point 1 to 7, Undersigned*).

The members also suggested updating the laboratory experiments time to time with the availability and installation/upgrading of new equipments/laboratories. Moreover, the members present in the meeting also suggested to include the names of recent text books and references for different courses in regular interval.

The meeting concluded with the concluding remarks and vote of thanks of Dr. B.R. Phukan, member Secretary.


Member Secretary