



**Shri Mata Vaishno Devi University**  
School of Energy Management  
College of Engineering

Copy

**Minutes of the Board of Studies Meeting**

A meeting of the Board of Studies (BOS) of the School of Energy Management (SEM) was convened on Friday, April 12, 2013 in the conference room of the Dean College of Engineering, SMVDU. The following members were present in the meeting:

- |  |                  |
|--|------------------|
| 1. Prof. V. Verma, Dean, COE                             | Chairman         |
| 2. Dr. Yougal Khajuria, I/C Director, School of Physics, | Member Expert    |
| 3. Mr. Sumeet Gupta, I/c Director, School of ECE,        | Member Expert    |
| 4. Dr. S. K. Tyagi, Scientist-E, SSS- NIRE, Kpt.         | Member Expert    |
| 5. Dr. Sanjeev Anand, Lecturer, SEM,                     | Member Secretary |

The agenda-wise discussions and suggestions of the meeting are as below:

**Agenda Item No.1: Introduction of a Six Semester Part-Time Post Graduate Program leading to Master of Technology (M. Tech.) in Energy Management to be offered by SEM.**

The detailed course structure for M. Tech. Energy Management was presented by Dr. Sanjeev Anand, Lecturer, SEM for the discussions. All the members were satisfied with the course contents and also as there are only four courses per semester, all members are of the opinion that the course should be started from the coming academic session viz. August, 2013.

The details of the seven new courses which need to be introduced in the new course structure were presented and all the members welcomed and approved it with a slight modification that the course EEME 206P (Cogeneration and Energy Efficiency) may be interchanged with EEME 208P (Fuel Cell and Hydrogen Energy) as pointed out by Dr. Tyagi. Also the deletion of four courses from the previous curriculum was also recommended by all the members. The modified course structure including the list of elective courses is placed in **Annexure-I**. Dr. tyagi also stressed that the course contents are in tune with the Human Resource Development Programs in Renewable Energy developed by the Ministry of New and Renewable Energy, Govt. of India.

Dr. S. K. Tyagi, stressed that as there is acute shortage of working professionals in Energy sector around the country and the introduction of such course will bridge the gap between the

*Handwritten signatures and initials at the bottom of the page.*

*Handwritten signature/initials on the left margin.*

demand and supply of energy professionals especially, in this region of the country in particular and the country in general.

All the members also stressed that as the course being offered is part-time, the candidates without gate score should also be considered due to the fact that most of the working professional in the past were admitted and successfully passed out. However the committee was of the view that GATE qualified candidates may be given preference.

Mr. Sumeet Gupta suggested that the industrial training should be completed in 2 months summer vacations and the same was endorsed by all the members. Dr. Yougal Khajuria, suggested that all the candidates prior to their admission should be informed about the mandatory industrial training and it should also be included in the prospectus.

All the members also suggested that the Minimum and Maximum no. of credits per semester for registration should be fixed at 9 and 30 respectively.

**Agenda Item No.2: Change of course code from EIRL, EIRE, and EIRP to EEML, EEME and EEMP**

As the name of the School has been changed, it was also suggested that the course codes should also be changed accordingly, which was accepted by all the members.

**Agenda Item No.3: Collaboration for joint Research and Ph. D. student supervision with other R&D Organizations.**

The issue was discussed at length and Dr. Tyagi, stressed that the faculty from SEM should search possibilities for R&D collaborations including joint research projects, joint research students leading to Ph. D. degree with other R&D organizations/institutes including NIRE, Kpt. He emphasized that Govt. of India is spending a huge budget on Renewable Energy projects and faculty from SEM should utilize this opportunity. Apart from Renewable Energy projects and faculty from SEM should also start R&D activities on Clean Development Mechanism (CDM) as per United Nations Framework Convention on Climate Change (UNFCCC) in collaboration with National Institute of Renewable Energy (NIRE).

Dr. Tyagi also conveyed that NIRE has submitted a Cookstove Program of Activity (PoA) on "National Program for Improved Cookstove in India" to UNFCCC requesting from registration with technical inputs from MNRE, New Delhi and GIZ, Germany under the IGEN-RE collaboration of the two countries. This PoA will help to mobilize additional financial resources through Carbon Financing (CDM) for sustainable distribution and use of improved biomass cookstoves by the rural and remote population of the country at much lower price. Being the Coordinating and Managing Entity (CME) NIRE will be the sole owner of this project under MNRE guidelines and will collaborate and manage the whole cookstove dissemination programs around the Country for the next 28 years. If this cookstove PoA get registered in UNFCCC, faculty from SEM in particular and

*Manoj Kumar*

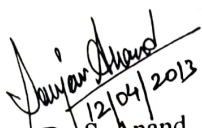
*Signature*      *Signature*      *Signature*      *Signature*

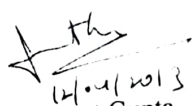
from SMVDU in general, may get the opportunity to help the rural and remote population of the state in collaboration with NIRE.

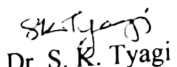
Apart from CDM, the Institute is also in the process to be identified as the testing and certification centre for different biomass based devices including cookstoves for the state of Punjab, Himachal Pradesh and Jammu & Kashmir. The centre will also carry basic research on the design and development of cookstove, keeping in view the traditional practices being adopted by the end users. This may also include the survey of the local kitchens and modification or proper/controlled combustion of biomass in the cookstove. The institute will also provide necessary technical assistance to the biomass cookstoves manufacturers and training to different stakeholders in the region of the country and this is a golden opportunity for SEM faculty to help the rural population of the state in collaboration with NIRE.

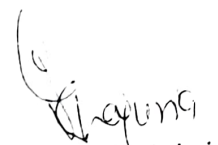
Keeping in view the above, all members are of the opinion that the collaboration with SSS-NIRE should be done and a MOU <sup>may</sup> ~~should~~ be signed. The <sup>Committee</sup> ~~members~~ also recommend that the sanctioned strength of the faculty should be recruited and meanwhile the possibility of adjunct faculty may be looked at.


Finally, the Chairman advised the member secretary to make necessary modifications in the proposal before sending it to the Competent Authority for the consideration and approval. The meeting ended with the vote of thanks to the Chair.

  
Dr. S. Anand  
Member Sec.

  
12/04/2013  
Mr. Sumeet Gupta  
Member Expert

  
Dr. S. K. Tyagi  
Member Expert

  
Dr. Yougal Khajuria  
Member Expert

  
Prof. V. Verma  
Chairman