



**DEPARTMENT OF ENERGY MANAGEMENT  
SHRI MATA VAISHNO DEVI UNIVERSITY**

Kakryal, Katra-182320, (J&K)

**Minutes of the Meeting of Board of Studies (BoS) of Department of Energy Management  
(DoEM)**

1. The meeting of the members of the **Board of Studies (BOS) of Department of Energy Management (DoEM)** was held on 24<sup>th</sup> April, 2017 in the Conference Room of Academic Block A, SMVDU.
  
2. The following members attended the meeting:
  - i. Prof. V. Verma  
Chairman & Dean Faculty of Engineering In-Chair
  
  - ii. Dr. Sanjeev Anand  
I/c Head, Department of Energy Management Vice Chairman
  
  - iii. Dr. Vineet V. Tyagi  
Asstt. Prof., Department of Energy Management Member
  
  - iv. Prof. Jyotirmay Mathur  
Centre for Energy and Environment, MNIT Jaipur External Expert (Through SKYPE)
  
  - v. Dr. Sushil Kumar Mehta  
Head, School of Business Member
  
  - vi. Dr. Balbir Singh  
Head, Department of Mechanical Engineering Member
  
  - vii. Head, Department of Biotechnology, SMVDU Member
  
3. Prof. S. C. Kaushik, Centre for Energy Studies, IIT Dehli could not attend the meeting due to his prior engagements. However, his comments received through e-mail were discussed.
  
4. At the outset, the Dean Faculty of Engineering welcomed all the members present in the meeting of **Board of Studies (BoS) of Department of Energy Management (DoEM)**. Dr. Sanjeev Anand, I/c Head DoEM and Vice Chairman, BOS, presented the Agenda points for deliberation.

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**Agenda**  
**Item No. 1**

**Review of Course structure for M.Tech. (Renewable Energy)**

The course structure for M.Tech. (Renewable Energy) was reviewed by the members of BOS.

The course structure for M.Tech. (Renewable Energy) was discussed extensively in front of the members of the Board of Studies (BOS) of DoEM. Prof. Jyotirmay Mathur, External Expert, recommended all the courses to be considered in the present form, except for a course on Wind Energy System (EME7012) where he suggested introduction of Forecasting on Power generation, Wind Energy Scenario in the country and across the globe and minor changes regarding the combinations of few sub headings of the course.

The changes and suggestions have been accepted and incorporated on page no.13 of the revised syllabus.

**Agenda**  
**Item No. 2**

**Considering introduction of Financial Models in the course structure of Solar Photovoltaic Power Plants: Planning, Design and Balance of Systems.**

The suggestion regarding the Introduction of Financial Models in the course structure for Solar Photovoltaic Power Plants: Planning, Design and Balance of Systems (EML7012) communicated by Mr. Lokesh Saxena, Member Academic Council, SMVD University through e-mail was discussed.

The members present in the meeting and the expert members recommended the introduction of the Financial Models in the course as finance and economics are vital ways to analyze the economic viability of any technology.

The suggestion with recommendations from the members has been incorporated on page no.12 in the revised syllabus.

**Agenda**  
**Item No. 3**

**Considering introduction of Financial Models & Reliability Techniques in the course structure of Wind Energy Systems.**

- \* The suggestion regarding the Introduction of Financial Models and Reliability Techniques in the course structure of Wind Energy Systems communicated by Mr. Lokesh Saxena, Member Academic Council, SMVD University through e-mail was discussed.

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Jyoti  
Jyoti



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The members present in the meeting and the expert members recommended the introduction of the financial models in the course as finance and economics are vital ways to analyze the economic viability of any technology.

The suggestion with an approval from the members has been incorporated on page no.13 in the revised syllabus.

**Agenda Item No. 4**      **Considering introduction of course on Discourse on Human Virtues (PCL 1067) having Credits (3-0-0) as a non-audit course as this being compulsory for all UG & PG programs.**

The course on Discourse on Human Virtues is mandatory for all UG & PG students as per new curriculum guidelines laid down by UGC. Therefore, it has been deliberated to introduce course on Discourse on Human Virtues floated by Department of Philosophy as a non-audit course for M.Tech (Renewable Energy) students in the second semester.

The members present in the meeting and the expert members approved and recommended the introduction of the course on Discourse on Human Virtues (PCL1067), keeping in view the inculcation of ethics and moral values among the students in order to be a good citizen and professional.

The suggestion with an approval from the members has been incorporated as a non-audit course in the course structure on page no. 2 in the revised syllabus.

**Agenda Item No. 5**

**Merging of Energy Laboratory-I (EMP6011) with a course on Non-Conventional Energy Sources (EML6011) with new credits as (3-0-4)**

It is proposed to merge the course on **Energy laboratory-I** with the course on **Non-Conventional Energy Sources (EML6011) with new credits as (3-0-4)**. The matter was deliberated extensively with all the members of the Board of Studies (BOS).

The members recommend the merger of course on **Energy laboratory-I** with the course on **Non-Conventional Energy Sources (EML6011) with new credits as (3-0-4)**. The suggestion with an approval from the members has been incorporated in the course structure on page no. 4 in the revised syllabus.

**Agenda**

**Merging of Energy Laboratory-II (EMP6012) with a course on Industrial**

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**Item No. 6 Energy Management (EML6019) with new credits as (3-0-4)**

It is proposed to merge the course on **Energy laboratory-II** with the course on **Industrial Energy Management (EML6019) with new credits as (3-0-4)**.

The matter was deliberated extensively with all the members of the Board of Studies (BOS).

The members recommend the merger of course on **Energy laboratory-II** with the course on **Industrial Energy Management (EML6019) with new credits as (3-0-4)**. The suggestion with an approval from the members has been incorporated in the course structure on page no.9 in the revised syllabus.

**Agenda**  
**Item No. 7 Developing program objective and its outcome along with course objectives and its outcome**

**With a view to train student in the respective areas, program objective and its outcome along with course objective and its outcome are developed as detailed below:**

The various program Objectives and Course Learning outcomes were exclusively discussed.

The members recommend the outcomes and objectives of the course. However, Prof. Jyotirmay Mathur, External Expert, suggested that the course objectives and outcomes should be constantly monitored on the basis of regular interaction with students, scholars, alumni, industrialists etc.

**Agenda**  
**Item No. 8 Merging of industrial training (EMT 7011) with Major Project Phase-I (EMD 7011)**

With a vision to look for industry oriented projects, the industrial training part is merged with Major Project Phase-I with new credits as (0-0-18) =9. This will definitely help the students to undertake summer training on the area of their choice which further can be extended with collaboration of industry as their dissertation work.

The members present in the meeting and the expert members recommended the merge of **industrial training (EMT7011) with Major Project Phase-I (EMD7011) with new credits as (0-0-18) =9**

The suggestion with an approval from the members has been incorporated in the course structure on page no.2 in the revised syllabus.

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**Agenda  
Item No. 9**

**Introduction of Seminar with course code as (EMC7011)**


Seminar with a course code (EMC7011) is being introduced for enhancing the spoken, presentation and personality skills of the students for presentations on latest advancements, conferences as well as their dissertation work.


The members present in the meeting and the expert members approved and recommended the **Introduction of Seminar with course code as (EMC7011)** with new credits as (0-3-0)

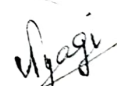
The suggestion with an approval from the members has been incorporated in the course structure on page no. 2 in the revised syllabus.

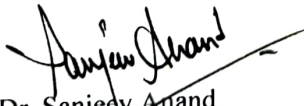
- During the meeting, it was suggested by Prof. Jyotirmay Mathur that eligibility criteria for admission to M.Tech. (Renewable Energy) should include candidates with Masters in Physics and Masters in Environment Science apart from B.Tech./B.E. in Engineering/Technology as the same is in line with other institutions like IIT's and NITs


The meeting ended with a vote of thanks.

  
Dr. Balbir Singh  
Assoc. Prof., DME

  
Dr. Sushil Mehta  
Head, SOB

  
Dr. Vineet Tyagi  
Asstt. Prof. DoEM

  
Dr. Sanjeev Anand  
Head DoEM, Vice Chairman

  
Prof. V. Verma  
Dean FoE and Chairman

