



श्री माता वैष्णो देवी विश्वविद्यालय

Shri Mata Vaishno Devi University

Sub Post Office, Kakryal (Katra) – 182320

(School of Energy Management)

No. SMVDU/SoEM/24/11

Date: 11/03/2024

Minutes of the Meeting of 10th Board of Studies (BoS) of School of Energy Management

The meeting of Board of Studies (BoS) of School of Energy Management (SoEM) was held on 10th March, 2024 at 11:00 AM through online mode.

The following members attended the meeting.

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| i. | Dr. Vineet V. Tyagi
Head, School of Energy Management | Chairman |
| ii. | Prof. S.K. Samdarshi
Professor, Centre for Energy Engineering,
Central University of Jharkhand | Member Expert |
| iii. | Dr. Anant Prakash Shukla
Additional General Manager, Energy Efficiency
Services Ltd., Undertaking of Ministry of Power | Member Expert |
| iv. | Dr. Sanjeev Anand
Assistant Professor, School of Energy Management | Member Secretary |

Agenda Item No. 1:- Review of existing course curriculum of M. Tech. (Energy Systems).

- Curriculum of M.Tech. (Energy Systems) was reviewed by members of board of studies. The members recommend that the curriculum be continued with modifications as per the recommendation at Agenda items below.

Agenda Item No. 2:- Introduction of a core course on Power Generation & System Planning with course code as EML 6014. The course is being proposed and will be offered in place of Energy Economics & Planning in the 1st Semester from academic session 2024-25. The detailed course structure is placed at Annexure-I

- Board of Studies members had detailed discussion regarding the course contents for the core course on Power Generation & System Planning with course code as EML 6014. The members approved and recommended the course which will be offered in place of Energy Economics & Planning in the 1st Semester from academic session 2024-25.

Agenda Item No. 3:- Discussions on adding the below details shared by Mr. Lokendra Singh Rajput, Co-Founder & CEO - Oriano in existing curriculum (Taken as Industry Professional Input).

"I think the new Era is going to be Infrastructure Construction... And therefore, Grid stability and grid designing, power control, predictive analysis of power usage and stability will be required. AI & ML will also play key role in energy system.

New Sky Scrapper, High speed railways, New airports, are coming up. The energy mix is changing as thermal will be phasing out slowly.... And renewable mix is increasing.

Also, BESS and EV infra will also grow

So IGBT curriculum, Dc to dc, charging stations, ac to dc, Embedded system... Inverter stations controllers”

- Board of Studies members had detailed discussion regarding the suggestions given by Mr. Lokendra Singh Rajput, Co-Founder & CEO – Oriano as industry inputs. Members were of the opinion that most of the suggestions given by Mr. Lokendra are already included in the curriculum. Regarding the **AI & ML role in energy system**, it was decided that the students will be encouraged to take a course on AI and ML as open elective.

Board of studies members also insisted on encouraging students to take MOOC courses on Swayam Nptel platform for School Electives and Open electives.

Meeting ended with vote of thanks from Head of Department.

Vyagi
11/03/24

Dr. Vineet V. Tyagi
Chairman, BOS, some, SMVDU

[Signature]