



**Pandit Deendayal Energy University**

**School of Energy Technology (SoET)**

Knowledge Corridor, Raisan Village, Gandhinagar - 382426

Gujarat (State), INDIA, Tel: +91 79 23275060 | Fax: +91 79

23275030

**Minutes of the Meeting  
of  
Board of Studies (BoS)  
Department of Physics**

**(Date: 15<sup>th</sup> December, 2023; Time: 2:00 PM onwards**

**Venue: E-block 1<sup>st</sup> Floor Conference Room)**



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**Website: [www.pdpu.ac.in](http://www.pdpu.ac.in)**



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**The following members were present in the meeting:**

Sr. No.	Designation	Member Names
1.	Chairman	Dr. Satyam M. Shinde
2.	Department Member-1	Dr. Rohit Srivastava
3.	Department Member-2	Dr. Brijesh Tripathi
4.	Department Member-3	Dr. Prahlad K. Baruah
5.	External academic members-1	Prof. Prafulla K. Jha
6.	External academic member-2	Dr. Vinod Chandra
7.	External professional member-2	Dr. Arvind Singh
8.	UG Student Member-2	Ms. Yashvi Bulasara
9.	Alumni Member-1	Mr. Sanhit Mehta
10.	Department Faculty (Invitee)	Dr. Abhishek Gor

**The following members were not present in the meeting:**

Sr. No.	Designation	Faculty Names
1.	Director, SoET	Prof. Anirbid Sircar
2.	Dean, SoET	Dr. Praghresh Bhatt
3.	External professional member-1	Dr. Rajesh Upadhyay
4.	UG Student Member-1	Ms. Dhyanavi Rao
5.	PG Student Member	Mr. Nisarg Trivedi
6.	Alumni Member-2	Mr. Ridhesh Goti



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**Agenda 1:** To discuss the proposed changes in the B.Sc. & M.Sc. structure as per NEP recommendations.

The following course skeleton of B.Sc. program as per the NEP 2020 to be effective from academic session 2024-2025 has been proposed:

	Subject Category	Name of the Subjects	Codes	Credit
<b>SEMESTER I</b>	C1	University Physics – I /LAB		3+1 (P)
	C2	Waves and Optics/ (T)		3+1 (T)
	EM	Mathematics A & B		3+1 (T)
	MDC	Basic Concept of Bioinformatics		3
	AEC	Communication Skills		2
	SEC	Foreign Language I		2
	VAC/IKS	Yoga & Meditation		2
<b>Total Credits</b>				<b>21</b>
<b>SEMESTER II</b>	C1	University Physics – II /LAB		3+1 (P)
	C2	Heat & Thermodynamics		3+1 (T)
	EM	Mathematics A & B		3 + 1 (T)
	MDC	Elements of Environmental Studies		3
	AEC	Leadership & Management		2
	SEC	Foreign Language II		2
	VAC/IKS	Ethics & Values		2
<b>Total Credits</b>				<b>21</b>

### Discussion:

- The committee has proposed the consideration of laboratory components as skill enhancement courses. This recommendation aims to align with the evolving educational landscape and foster a comprehensive approach to skill development within the curriculum. By considering lab components as skill enhancement course we may also preserve requirement of 20% of lab component in the course structure
- It was noted that the incorporation of additional skill enhancement courses should be approached with caution, given the potential impact on crucial core courses.



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- A notable aspect discussed during the meeting pertains to the lack of clarity in various facets of the National Education Policy (NEP) 2020. Recognizing this challenge, the committee suggests proceeding with the proposed first-year skeleton, given the prevailing ambiguity. It is anticipated that more clarity will emerge in the coming months, allowing for a more informed and strategic decision-making process.

### **Agenda 2: To discuss the syllabus for electives in B.Sc. program.**

The syllabus of the following courses were taken up for approval in the BoS meeting:

#### **B.Sc. VI: Nuclear Radiation Instrumentation**

##### **Discussion:**

- The syllabus of B.Sc. VI - Nuclear Radiation Instrumentation is found appropriate and approved.

The detailed syllabus for the aforementioned course is in Annexure A.

### **Agenda 3: To discuss the proposed changes in the existing B.Sc., M.Sc. and B.Tech. Courses.**

The modified syllabus of the following course was taken up for approval in the BoS meeting:

#### **B.Sc. Sem V- Radiation Detection and Measurement (23BSP302T)**

##### **Discussion:**

- The proposed changes in the aforementioned course were found fine and approved.

The detailed syllabus of the course with the changes incorporated is in Annexure A.

### **Agenda 4: Any other suggestions by the BoS members**

**Discussion:** There were no specific additional points discussed apart from the ones already mentioned earlier.

The meeting ended with a vote of thanks.

Dr. Satyam Shinde

BoS Chairman