

## Minutes of BOS Physics Meeting

The BOS meeting was held online on October 7, 2024 at 11 am. The meeting was conducted in hybrid mode. Internal members joined the meeting at the board room and external members joined through google Meet link <https://meet.google.com/vbf-nhsi-thz>

The agenda of meeting was

1. To finalize and approve SEM 4 syllabus per NEP Guidelines
2. To finalize and approve SEM 6 Physics syllabus.
3. AOB

The meeting attended by following members:

- Principal Dr. Anita Kanwar (HOD and Chairperson)
- Dr. Devidas Gulwade (In-Charge HOD)
- Mr. Shrikant Ghodke
- Dr. Sarla Rathi
- Dr. Santosh Bhaskaran
- Dr. Dinesh Kala
- Dr. Amar Kakad
- Dr. Aradhana Shrivastava
- Mr. Tejas Rathod

SEM 1-3 (NEP) course structure and syllabus approved in the last meetings was reviewed. The framework of syllabus and approved syllabus in the previous meetings was summarised. Further, in continuation with the discussion of framework, the syllabus, SEM 4 (NEP) syllabus containing two Physics major theory papers and lab course was discussed and finalised. Also, the syllabus of physics minor theory paper and lab course was discussed and approved.

After going through non-NEP course structure and after review of approved syllabus in earlier meetings, the syllabi of five theory papers and three lab courses of SEM 6 was discussed and approved. Changes suggested during the discussion were considered, incorporated and approved by all members. SYBSc framework of syllabus. Meeting ended with a vote of thanks proposed by Dr. Devidas Gulwade.

**NEP Syllabus:**

Sem	Major	Minor	VSC	OE
1	P1: Mechanics and Thermodynamics P2: Optics and Material Science Practicals	–	CPP programming	Life Outside Earth
2	P1: Electricity and Electronics P2: Modern Physics Practicals	Basic Physics and Electronics	Circuit Making using Bread Board, Software, and PCB	Life Outside Earth
3	P1: Advanced Thermodynamics and Mechanics P2: Optics Practicals	Measurements and Thermodynamics Practicals	Microprocessor	Astronomy and Biophysics
4	P1: Electronics P2: Mathematical and Quantum Physics Practicals	Introduction to Materials and Characterization techniques	-	Astronomy and Biophysics

**Non NEP course syllabus:**

<b>SEM 1</b>	P1: Mechanics and Thermodynamics, P2: Optics and Material Science Lab course
<b>SEM2</b>	P1: Electricity and Electronics, P2: Modern Physics Lab course
<b>SEM3</b>	P1: Advanced Thermodynamics and Mechanics, P2: Electronics P3: Mathematical & Vector calculus Lab courses
<b>SEM4</b>	P1: Optics P2: Charged particle dynamics, Microprocessor, and Astrophysics P3: Crystallography and Quantum Mechanics Lab courses
<b>SEM5</b>	P1: Mathematical and Statistical P2: Solid state Physics P3: Atomic and Molecular Physics P4: Electrodynamics P5: Electronic Instrumentation Lab courses
<b>SEM6</b>	P1: Classical Mechanics P2: Electronics P3: Nuclear P4: Relativity P5: Microprocessor and CPP Lab courses