

Minutes of the Board of Studies of the Department of Physics held on 05/02/2025 at 2 pm

The second meeting of the Board of Studies of Physics, Vimala College (Autonomous), Thrissur for the academic year 2024-25 was held on 05/02/2025 at 2 pm on a virtual platform via Google meet. Dr. Mini Krishna K, Head of the Post Graduate and Research Department of Physics and Chairperson of the Board, welcomed the board members. The Chairperson, then briefed the minutes of the previous board of studies meeting.

The agenda of the meeting:

1. Ratification of content of open-ended modules (of first and second semesters of FYUGP) approved by the department council
2. Approval of MDC for second semester as well as the foundation courses to be offered by the department for the academic year 2025-26
3. Approval of list of institutions selected by the department council for internship
4. Discussion on syllabus revision to be planned in the succeeding academic years
5. Identifying contents related to IKS (Indian Knowledge System) in the existing curriculum
6. Plan of activities in line with IKS and incorporation of IKS in curriculum
7. Any other matter of relevance with the permission of Chairperson

Members present

- | | | |
|---|---------------------------------|-----|
| 1. Chairperson | : Dr Mini Krishna K | sd/ |
| 2. University Nominee | : Dr Dias E D | sd/ |
| 3. Subject Expert(Outside Parent University) | : Dr Riju C Issac | sd/ |
| 4. Subject Expert (Outside Parent University) | : Dr Priya Parvathi Ameena Jose | sd/ |
| 5. Industry Representative | : Mr Santhosh A | sd/ |
| 6. Alumnae Representative | : Dr Reena Mary A P | sd/ |
| 7. Dr Malini K A | | sd/ |
| 8. Dr Veena Gopalan E | | sd/ |
| 9. Dr Dhanya Johnson | | sd/ |
| 10. Dr Jovia Jose | | sd/ |
| 11. Mr Santhosh P Jose | | sd/ |
| 12. Dr Aneesh George | | sd/ |
| 13. Dr Regina Jose | | sd/ |

The various items in the agenda of the meeting were discussed and the following suggestions were proposed.

Item 1: Ratification of content of open-ended modules (of first and second semesters of FYUGP) approved by the department council

The chairperson presented the content of open-ended modules (of first and second semesters of FYUGP), approved by the department council, and the board members approved the same. Since in the first and second semester, all major and minor papers had practicum component, the practical experiment selected as part of open-ended module were presented. The content of open-ended modules and practicals for major and minor papers in the upcoming third semester of FYUGP batch were also presented. Dr. Dias E D, the University nominee, suggested to include practicals in the open-ended module which will equip the students to take up challenging projects during their end semesters. Dr Riju Issac also suggested to include practicals in open ended modules relating to plotting and data visualisation tools.

Item 2: Approval of MDC for second semester as well as the foundation courses to be offered by the department for the academic year 2025-26

The chairperson presented the content of open-ended modules of first and second semester MDC courses offered for FYUGP batch. In the discussion that followed, it was decided to offer the same courses in the academic year 2025-26, and the board members approved the same.

Item 3: Approval of list of institutions selected by the department council for internship

The chairperson presented the list of prospective institutions for student internships, approved by the department council. Besides approving the same, some new suggestions were added to the list by the board members. Mr Santhosh, the industry expert suggested to explore the internship possibilities in industrial estates at Ollur and Athani, MILMA, SILK, spinner pipes and elite group.

Item 4: Discussion on syllabus revision to be planned in the succeeding academic years

The board discussed about the revision of the syllabus of PG programmes for the year 2025-2026 admission. Since a revision in syllabus is expected in two years span from now, it was decided to go forward with the present one for PG Physics programme. It was also suggested

that the modifications needed in the new FYUGP syllabus can be noted, incorporated after discussions into a revised syllabus after two years.

Item 5: Identifying contents related to IKS (Indian Knowledge System) in the existing curriculum

The contents in curriculum related to IKS, especially in Astrophysics major elective course and MDC course (of second semester) were presented. It was also pointed out that the FYUGP students will be having a course on Kerala Knowledge System in the upcoming third semester, as a part of their foundation course.

Item 6: Plan of activities in line with IKS and incorporation of IKS in curriculum

A discussion followed on how IKS could be incorporated into syllabus and activities could be planned in the upcoming years. The board members suggested the following activities for the promotion of IKS – Research and preparation of books related to traditional knowledge systems, familiarisation of books on IKS, exposure to students related to IKS through a catalogue/handbook of scientific terms in Indian languages, translation of scientific articles/books into Indian languages, promotion of Indian languages in teaching and evaluation, students seminars related to IKS and exposure visits. The members also suggested to explore topics like vedic mathematics, science in ancient vedic texts, Indian astronomy, ancient metallurgical techniques etc. It was also decided to have such activities planned as topics for student seminars / invited talks cum workshops. Later, when syllabus revision is done, it can be incorporated as an activity in the open-ended module / in the practicum component.

Item 7: Any other matter of relevance with the permission of Chairperson

The odd semester results of the UG and PG batches were presented and the board members appreciated the department for the improved results.

The board also reviewed the implementation of FYUGP programme and the text books prescribed as to whether they were effective in imparting good understanding of the concepts. The chairperson pointed out that out of the two minor baskets offered, one of them need to be changed in the next academic year. Since more intake is from chemistry major, the department would like to shift from the presently offered minor basket ‘Semiconductor Physics’ to a new basket in the FYUGP syllabus ‘Optical Physics’. The board members approved the same.

Dr. Veena Gopalan E proposed vote of thanks to the Board members for their valuable suggestions and presence. The meeting concluded at 3:00 pm.

The screenshot shows a Google Meet window with a presentation slide. The slide title is "Board of Studies in Physics" and the date is "5 February 2025". The presenter is Mini Krishna. The meeting ID is bgk-hkjp-ogu. The time is 2:04 PM. The interface shows a grid of participants: Mini Krishna, DIAS E D, Dr Malini K A, Riju C Issac, Priya Parvathi ..., Dr Regina Jose, reena mary, 5 others, and Dr Dhanya Joh... The bottom of the screen shows the Windows taskbar with various icons and the system clock at 14:04 on 05-02-2025.

The screenshot shows a Google Meet window with a presentation slide titled "Agenda of the meeting:". The agenda items are:

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Meet - bgk-hkjp-ogu

meet.google.com/bgk-hkjp-ogu

Mini Krishna (Presenting)

Riju C Issac

Mini Krishna

reena mary

Dr Malini K A

DIAS E D

Priya Parvathi Ameena ...

Dr Regina Jose

Dr Veena Gopalan E

Santhosh : ATHUL ENE...

Santhosh P Jose

Laveena Varghese

Physics Department

Aneesh George

jovia jose

Dr Dhanya Johnson

2:08 PM | bgk-hkjp-ogu

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