

Minutes of the Meeting of the Board of Studies (Physics)

The meeting of the Board of Studies (hereinafter termed as BoS) of the Department of Physics was held on March 27, 2024, at 4.00 p.m. through Google Meet.

Agenda

1. To welcome all the members of BoS
2. To review the minutes of the meeting held on July 05, 2023.
3. Discussion of credit structure for UG and PG.
4. Discussion on syllabi related to VSE, SEC and OE.
5. Discussion on PG syllabus.
6. Discussion regarding Evaluation mechanisms/methods
7. Any other point with the permission of the chairperson

The following members were present for the meeting:

1. Prin. Dr. N. P. Tendolkar (**Chairman** of the BoS)
2. Dr. Vidya Patil (**Member**, VC Nominee Subject Expert)
3. Dr. S. H. Mujawar (**Member**, An expert from outside the Parent University)
4. Dr. S. D. Sartale (**Member**, An expert from outside the Parent University)
5. Mr. Sachin Bhandare, **Member** (Industry expert nominated by the academic council of the college)
6. Dr. Dineshchandra Kala (**Member**, Subject Expert nominated by the academic council of the college)
7. Mr. Surendra Nadkarni, **Invitee** (Industry Expert from Norway)
8. Miss. Jagruti Mestry (**Member**, Alumni nominated by the principal)
9. Dr. Meera R Kale, **Member**, Teaching Faculty
10. Mr. Uday B. Bhatye, **Member**, Teaching Faculty
11. Mr. Prashant P. Jadhav, **Member**, Teaching Faculty
12. Mr. Aniket C. Dhaware, **Member**, Teaching Faculty
13. Miss. Nilam A. Akhade, **Member**, Teaching Faculty
14. Dr. P. V. Naikwade, **Member** (Staff from the same faculty co-opted with the approval of the principal)

Minutes of the meeting

Principal Dr. N. P. Tendolkar, Chairman of the BoS, heartily welcomed all the external members present for the meeting and expressed heartfelt gratitude. He then called upon Dr. Meera Kale to take a thorough overview of the agenda and commence the session of the meeting.

Agenda 2: Finalization of the minutes of the last meeting.

As the minutes of the previous BOS meeting held were already circulated, Mr. Uday Bhatye asked all the members regarding confirmation of the same and with the permission of all the same was confirmed.

Resolution:

- i) **It was resolved to approve the minutes of the meeting held on July 05, 2023.**

Proposed by: Dr. Meera Kale

Seconded by: Dr. Vidya Patil

Agenda 3: Discussion of credit structure and syllabi for UG and PG.

Then Mr. Uday Bhatye shared excel sheet showing framework of credits and papers of physics for semester III & IV for UG and PG. Dr. Meera Kale explained the structure and of major theory and practical papers and minor papers being offered to students of major in computer science.

Resolution:

- ii) **It was resolved that credit structure for semester III and IV for both UG and PG is accepted unanimously.**

Proposed by: Mr. Uday Bhatye

Seconded by: Dr. Sarfaraj Mujawar

Later, faculty of the department one by one presented the revisions in their syllabi in line with the NEP-2020. A unit-wise tabulation of pre and post revision curriculum was displayed to make the additions and omissions clearly visible. Accordingly, first Dr. Meera Kale explained the revisions in S.Y.B.Sc. Syllabus. She mentioned that – Due to changes in the credit structure, there will be two papers in place of three and lesser lectures are available. Therefore, theory related to topics like Brewster's law, concepts like damped and forced oscillation; electronics etc. is proposed to be taught during first day of relevant practical sessions and on second day, the students will perform the experiments. She also mentioned that for the theory content taught during lab sessions, learners will be evaluated during practical examination by giving them theory questions/ problems. She also mentioned that the students often find it hard to deal with an entire paper having quantum

mechanics content. So, the paper is splitted and initial part is included in semester – III and applications of schrodinger equation are included in the semester-IV. She also explained the content of practical papers and mentioned that some skill related experiments are also included in the curriculum. Dr. Sarfaraj Mujawar asked regarding manuals for practicals to which it was informed that the preparation of lab manuals is ongoing and will be available by the new academic session starts. Dr. Vidya Patil also suggested that reordering of the experiments related to theory topics may be done according to papers which was accepted as a modification.

Resolution:

- iii) After review and detailed discussion on UG syllabus for Major Physics, it was resolved that the same be finalized with considering suggestions from BoS members.**

Proposed by: Dr. Sarfaraj Mujawar

Seconded by Dr. Vidya Patil

Agenda 4: Discussion on syllabi related to VSE, SEC and OE.

Mr. Bhatye presented the syllabi of Skill course & minor courses being offered to students offering computer science as a major. Prin. Dr. Kala suggested corrections in the syllabus of Skill course, which were accepted. Mr. Nadkarni suggested few additions to the Skill course in line with the modern industry standards. But, considering the scope of present content, it was considered that it may be included in the continuation of the skill course in the following year. Prin Dr. Kala suggested that considering the risks involved, practicing electricians might be engaged to conduct the lab sessions where there is live AC wiring involved.

Resolution:

- iv) After discussion on syllabus for Skill course and Minor to be offered for Computer Science, it was resolved that the same be finalized with due suggestions.**

Proposed by: Mr. Uday Bhatye

Seconded by: Dr. D. C. Kala

Mr. Prashant Jadhav presented the syllabi of Open Electives to be offered to the arts and commerce students. Mr. Aniket Dhaware presented the syllabi of progressive skill courses of programming in python. Mr. Nadkarni suggested to introduce topics like numpy, plotting libraries. Mr. Bhatye informed that there is plan to extend the same course to the following year where these topics will be introduced.

Resolution

- v) **In UG for Semester–III and IV, Astronomy I and II is being provided as open elective courses. Python programming I and II are provided as Vocational Skill Courses for semester III and IV. It is accepted unanimously.**

Proposed by: Mr. Prashant Jadhav

Seconded by Mr. Sachin Bhandare

Agenda 5: Discussion on PG syllabus.

Later Mr. Uday Bhatye presented the revised syllabi for PG courses. Dr. Vidya Patil suggested the change in the nomenclature of the semester – III electives and was accepted. Dr. Vidya Patil also suggested to try to incorporate MS excel software for the semester – IV elective paper that was also accepted.

Resolution:

- vi) **After review and detailed discussion on PG syllabus for semesters III and IV, it was resolved that the same be finalized.**

Proposed by: Mr. Uday Bhatye

Seconded by Mr. Surendra Nadkarni

Agenda 6: Discussion regarding Evaluation mechanisms/methods

Later, Dr. Meera Kale outlined the evaluation pattern for both UG and PG courses.

Resolution:

- vii) **It was resolved the evaluation pattern will be 60% external examination and 40% internal whereas the detailed evaluation pattern will be as decided by the examination committee.**

Proposed by: Mr. Aniket Dhaware

Seconded by: Dr. Dineshchandra Kala

With no more suggestions from any of the members, Mr. Prashant Jadhav proposed a vote of thanks and with the permission of the chair, the meeting was concluded.




Principal