



Parvatibai Chowgule College of Arts and Science
Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale)
Best affiliated College-Goa University Silver Jubilee Year Award



F.133C/ 98

April 16, 2018

All the members of the Board of Studies in Physics

Sub.: Minutes of the Board of Studies in Physics held on 7th April, 2018

Dear Sir/Madam,

I am forwarding the minutes of the BoS (Physics) meeting held on April 7, 2018 at the Parvatibai Chowgule College of Arts and Science (Autonomous), Margao. If no exception is taken by any member of BoS to the correctness of the minutes of the meeting within 5 days of the dispatch of this mail, they shall be deemed to be correct.

Please see the attachment.

Sincerely,

Yatin Desai

Chairman, BoS (Physics)

Parvatibai Chowgule College of Arts and Science (Autonomous)

Encl.: Minutes of meeting



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Following members of the board of studies in Physics were present for the meeting convened on 7th April 2018 at 9.30 am in the college.

Sr. no.	Name of the Faculty	Signature
1.	Shri Yatin P. Desai - Chairman & Head In-charge, Physics	
2.	Dr. Patincharath Nandakumar, --Academic Council Nominee	
3.	Dr. M. M. Belekar, --Academic Council Nominee	
4.	Dr. Ramesh V. Pai --- Vice chancellor, Goa university Nominee	
5.	Dr. M.R. Ramesh Kumar --Industry Representative	
6.	Dr. Satish Keluskar-- Meritorious Post Graduate Alumni	
7.	Mrs. Malati Desai - Member	
8.	Dr. Ananya Das - Member	
9.	Dr. Ashish Desai - Member	
10.	Shri Bhavani Singh - Member	

Parvatibai Chowgule College of Arts & Science
(Autonomous)
Margao – Goa

MINUTES OF MEETING OF THE BOARD OF STUDIES IN PHYSICS
HELD ON 7th April 2018 AT 9:30 am

Vide Chowgule College notice (F.133(C)/1924 dated 27th March, 2018) a meeting of this BoS was convened on 7th April, 2018 at 9:30 am at the Photogrammetry lab, Department of Geography, Parvatibai Chowgule College of Arts & Science, Margao – Goa. Since the members present represented the Quorum, the BoS began its proceedings.

Minutes are presented in the format.

Members present:

1. Mr. Yatin P. Desai (Chairman)
2. Mrs. Malati Dessai
3. Dr. Ananya Das
4. Mr. Bhawani Singh
5. Prof. Ramesh V. Pai (Vice-Chancellor Nominee)
6. Dr. Patincharath Nandakumar (Academic Council Nominee)
7. Dr. Mahesh Belekar (Academic Council Nominee)
8. Dr. M. R. Ramesh Kumar (Industry Representative)
9. Dr. Satish Keluskar (Postgraduate Alumni)
10. Dr. Ashish M. Desai (Member Secretary)

Members Absent: Nil

Proceedings

The Chairperson welcomed the members of the Board of Studies (BoS) and briefed about the course structure. The Chairperson introduced and explained the agenda of the meeting and Board transacted the following business:

Agenda Items:

1. To revise the syllabi of B. Sc. Physics
2. To approve the syllabus of interdisciplinary papers in Physics.
3. To discuss and approve the introduction of online elective course(s)
4. Any Other Business (A.O.B.)

PART A: Resolutions

1. Instrumentation course which is offered as an elective course in Semester IV to be moved to Semester VI and Introduction to Astronomy and Astrophysics which is offered as an elective course in Semester VI to be moved to Semester III. The revised list approved by the members of BoS is presented in Annexure I.
2. The syllabi of undergraduate courses were presented and discussed at the meeting. Syllabi of theory and/or practical component of the following courses were revised.
 - i. Introduction to Mathematical Physics
 - ii. Heat and Thermodynamics
 - iii. Electricity and Magnetism
 - iv. Modern Physics
 - v. Quantum Mechanics
 - vi. Solid State Physics
 - vii. Thermodynamics and Statistical Mechanics
 - viii. Atomic and Molecular Physics
 - ix. Nuclear and Elementary Particle Physics

The revised syllabi approved by the members of BoS are presented in Annexure II.

3. The syllabi of interdisciplinary courses were presented and discussed at the meeting. Following courses may be offered by the Department of Physics as interdisciplinary courses.
 - i. Elementary Physics – I
 - ii. Elementary Physics – II
 - iii. The Physics of Energy and Energy Sources- I
 - iv. The Physics of Energy and Energy Sources- II

The approved syllabi of all the above interdisciplinary courses are presented in Annexure III. BoS recommends the course entitled “The Physics of Energy and Energy Sources- II” may be offered as an elective course for the Physics Major students.

4. Introduction of online elective course in the curriculum was discussed. Following courses can be introduced as online courses
 - i. Mechanics, Heat, Oscillations and Waves
 - ii. Latex
 - iii. Linux

Details presented in Annexure VI.

5. Mini projects can be undertaken by students instead of doing some experiments in the laboratory. The details of mini projects in the respective practical courses and the marking scheme is presented in Annexure IV
6. Courses offered to students opting for Minor in Physics are revised. The approved list of courses offered to students is presented in Annexure V.


7. As per the guidelines of the college, the course codes of all elective courses were revised and are presented in Annexure I.
8. The marking scheme of practicals was modified. The approved marking scheme is presented in Annexure VII.
9. All the above recommended changes may be implemented from academic year 2018-19 onwards.


PART B: Resolutions/Recommendations of BoS that require consideration / approval of Academic Council:

1. The revised list of core and elective courses presented in Annexure I.
2. The revised syllabi of undergraduate courses presented in Annexure II.
3. The syllabi of interdisciplinary courses presented in Annexure III.
4. The interdisciplinary course entitled "The Physics of Energy and Energy Sources- II" may be offered as an elective course for the Physics Major students.
5. Courses offered to students opting for Minor in Physics. Details presented in Annexure V.
6. Inclusion of online elective courses in the curriculum. Details presented in Annexure VI.
7. Introduction of Mini projects in practical courses. Details attached in Annexure IV.
8. Certificate course entitled "The Physics of Energy and Energy sources" may be introduced by the department.

The Chairman thanked the members of Board of Studies in Physics for their valuable contribution and active participation. The meeting ended at 1:00 pm.

The foregoing minutes of the meeting are circulated by the Chairman on 16th April, 2018

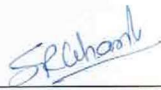

Dr. Ashish M. Desai
Member Secretary
BoS (Physics)
Date: 16th April, 2018


Mr. Yatin P. Desai
Chairman
BoS (Physics)

PART C: The remarks of the Dean of the Faculty:-

- a. The minutes are in order
- b. The minutes may be placed before the Academic Council with remark, if any.
- c. Important points of the minutes which need clear policy decision of the Academic council to be recorded.

Date: 24/4/2018

Signature of the Dean: 
(Faculty of Science) (Mrs. Shaila Ghanti)