



ST. XAVIER'S COLLEGE

(AUTONOMOUS)

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❖ Minutes and/or Resolutions of Board of Studies meetings held in the last five years for:

• Department of Physics

- Programme/s: 1. BSc Physics
2. MSc Physics (Astrophysics)

• Summary

Academic Year	Dates of BoS	Syllabus Revision
2019 – 2020	12-10-2019	x
	06-03-2020	✓
2018 – 2019	10-10-2018	✓
	09-03-2019	✓
2017 – 2018	15-02-2018	✓
2016 – 2017	25-02-2017	✓
2015 – 2016	19-03-2016	✓
2014 – 2015	13-03-2015	✓



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2019-2020

Dates of BoS

1. 12-10-2019
2. 06-03-2020



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Board of studies (BOS) Physics : Minutes of the meeting held on 12/10/19

Time: 02.00 pm to 4.00 pm

Attended by:

Dr. S. P. Bodhane,
Dr. K. Vedesankari,
Dr. J. T. Singh,
Mr. Rajesh Singh,
Mr. Ajay Yadav,
Dr. Rohan Jadhav,
Dr. Leena Joshi,
Dr. Radhekrishna Dubey
Dr. J. B. Mistry
Dr. Sanjit Mitra
Ms. Hemlatha Deshpande

1. Minutes of the last BOS (09/03/19) were read out by Dr. J. T. Singh.
2. **Top Up marks** - Criterion for granting top-up marks for subject related activities outside college has been discussed. The following points came up from the discussion:
 - i) To be eligible to get top-up mark a student must score at least 50% marks in the previous semester.
 - ii) Maximum marks per student per semester are capped at 20.
 - iii) The possibility of adding a '*' in the mark sheet for such students with footnote to explain extra work done by the student. (Need to be taken to management for discussion)Point i) and ii) were approved by BOS whereas point iii) was left as a possibility.
3. A report on the result of undergraduate Physics courses was presented and discussed. It was suggested to prepare course wise result chart for the Next BOS.
4. A report on current status of postgraduate course was presented and discussed.
5. One reference book was added to SPHY0601 course titled Modern Astrophysics.
6. **Undergraduate projects** - It was decided by BOS that a student can choose their best 5 projects in the course of three years which can be certified by the department as a proof of work carried out by student.
7. Dr. J. B. Mistry raised concern over quality and student learning during projects. He suggested to increase contact hours with professor at the cost of decrease in the number of project for quality improvement.
8. Lab work and project management needs to be discussed in departmental meeting for the incoming semester and report of which needs to be produced in the next BOS.



NAAC SSR Cycle 4 (2015-
2020) 1_2_BoS Minutes - Physics
BOS Minutes - Physics

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ST. XAVIER'S COLLEGE – AUTONOMOUS, MUMBAI
DEPARTMENT OF PHYSICS

Subject Board of Department of Physics

Resolution

The Subject Board of Department of Physics, St. Xavier's College, Autonomous, has reviewed and approved the following:

1. The scheme of granting top-up marks to students for publishing research papers or presenting their project work at conferences, workshops etc.
2. Results of the previous semester.
3. Report on the MSc admissions and the course.
4. Addition of a reference book in the SPHY0601 course.


Date: 12th October, 2019

Place: Mumbai

Sr. No.	Name and Affiliation	Signature
1	Dr. Jyoti Singh, HOD, Dept. of Physics, St. Xavier's College	Jyoti Singh 12/10/19
2	Dr. S. P. Bodhane, Dept. of Physics, St. Xavier's College	S. P. Bodhane 12/10/19
3	Dr. K. Vedasankari, Dept. of Physics, St. Xavier's College	K. Vedasankari 12/10/19
4	Mr. Rajesh Singh, Dept. of Physics, St. Xavier's College	Rajesh Singh 12/10/19
5	Mr. Ajay Yadav, Dept. of Physics, St. Xavier's College	Ajay Yadav 12/10/19
6	Dr. Rohan Jadhav, Dept. of Physics, St. Xavier's College	Rohan Jadhav 12/10/19
7	Dr. Leena Joshi, Dept. of Physics, St. Xavier's College	Leena Joshi 12/10/19
8	Dr. Radhekrishna Dubey, Dept. of Physics, St. Xavier's College	Radhekrishna Dubey 12/10/19
9	Dr. J. B. Mistry, Dean, XIC, Department Alumni	J. B. Mistry 12/10/19
10	Dr. Sanjit Mitra, Associate Professor, IUCAA, Pune, Subject Expert	Sanjit Mitra 12/10/19
11	Ms. Hemlatha Deshpande, HOD – Physics, Vivekananda College, Mumbai, Subject Expert	Hemlatha Deshpande 12/10/19
12	Dr. Anvesh Majumdar, Associate Professor, HBCSE, TIFR, Mumbai, Subject Expert	—
13	Mr. Ramesh Choubey, Varian Medical Systems, Industry Representative	—



NAAC SSR Cycle 4 (2015-2020) :
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ST. XAVIER'S COLLEGE – AUTONOMOUS, MUMBAI
DEPARTMENT OF PHYSICS
Subject Board of Department of Physics

Resolution

The Subject Board of Department of Physics, St. Xavier's College, Autonomous, has reviewed and approved the following:

- Minutes of the previous meeting and the action taken report
- Modifications in the following courses:
 - SPHY01 and SPHY02 courses
 - SPHY0302 Mathematical Physics
 - SPHY0303 Electronics - Basic
 - SPHY0502 Statistical Mechanics
 - SPHY0503 Electronics - Advanced
 - SPHY0601 Modern Astrophysics
 - SPHY06AC Applied
 - SPHY0701 Mathematical Physics
 - SPHY0702 Classical Mechanics
 - SPHY0704 Astronomy And Astrophysics: An Overview
- Change the semester and hence course codes for the following.

SPHY0704 Astronomy And Astrophysics: An Overview
and
SPHY0804 Electronics and Digital Image Processing

The course codes have been interchanged.

SPHY0704 Electronics and Digital Image Processing
and
SPHY0804 Astronomy And Astrophysics: An Overview

Date: 06th March, 2020

Place: Mumbai

Sr. No.	Name and Affiliation	Signature
1	Dr. Jyoti Singh, HOD, Dept. of Physics, St. Xavier's College	Jyoti S. P. 06/03/2020
2	Dr. S. P. Bodhane, Dept. of Physics, St. Xavier's College	
3	Dr. K. Vedesankari, Dept. of Physics, St. Xavier's College	K. Vedesankari 6/3/20
4	Mr. Rajesh Singh, Dept. of Physics, St. Xavier's College	Rajesh Singh 6/3/20



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5	Mr. Ajay Yadav, Dept. of Physics, St. Xavier's College	
6	Dr. Rohan Jadhav, Dept. of Physics, St. Xavier's College	<i>Padma</i> 6/3/20
7	Dr. Leena Joshi, Dept. of Physics, St. Xavier's College	
8	Dr. Radhekrishna Dubey, Dept. of Physics, St. Xavier's College	<i>Raj</i> 06-03-2020
9	Dr. J. B. Mistry, Dean, XIC, Department Alumni	
10	Dr. Sanjit Mitra, Associate Professor, IUCAA, Pune, Subject Expert	
11	Ms. Hemlatha Deshpande, HOD - Physics, Vivekananda College, Mumbai, Subject Expert	
12	Dr. Anvesh Majumdar, Associate Professor, HBCSE, TIFR, Mumbai, Subject Expert	
13	Mr. Ramesh Choubey, Varian Medical Systems, Industry Representative	<i>sh. S.</i>

Date: 06th March, 2020

Place: Mumbai

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Department of Physics

Action Report based on the minutes of BOS meeting held on 12/10/2019

3. The Exam controller has said that the top up marks can't be indicated by an * . Instead, the department will issue a certificate of appreciation to the student.
6. Undergraduate projects certificate to students - Students of the batch of 2019-20 will get it.
7. Quality and number of projects - We will put in place procedures to better monitoring of project quality -
 - i. by compelling students to show the readings being taken in the lab and take a signature in their journal, and only then it will be considered as valid data.
 - ii. Numerical work, program execution has to be shown to the teacher in the lab, during the regular project turn explain the code and it's running to be tested by changing variables.

Jyoti Singh
06/03/2020

Dr. Jyoti Singh
Associate Professor and head,
Department of Physics

Shri S. S.
(Kamala Kulkarni)
6th March, 2020.

Radha
(Dr. Radhekrishna L-Dubey)

Jyoti Singh

Radha
K. Vedasankari
(K. VEDASANKARI)

Jyoti Singh
06/03/20



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2018-2019

Dates of BoS
1. 10-10-2018
2. 09-03-2019



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AGENDA FOR BOS MEETING ON 10-10-2018

- Read and approve the minutes of last BOS meeting.
- Get an information about the activities held in the current semester.
- Feed back of third year teachers who have taught the revised syllabus
- Discuss and approve changes if any in the syllabus.
- Plan activities for the next semester.
- Any other matter with the permission of the chair.



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ST. XAVIER'S COLLEGE – AUTONOMOUS, MUMBAI

DEPARTMENT OF PHYSICS

The subject board in Physics for St. Xavier's College- autonomous.

S.No.	Name and affiliation	Signature
1.	Dr. Shyamala.P. Bodhane, HOD, Dept. Of Physics, St. Xavier's College	<i>S.P. Bodhane</i> 10-10-18
2.	Dr. K. Vedasankari, Teacher Representative, Dept. Of Physics, St. Xavier's College	<i>K. Vedasankari</i> 10/10/18
3.	Dr. Jyoti .T. Singh, Teacher Representative, Dept. Of Physics, St. Xavier's College	<i>Jyoti .T. Singh</i> 10/10/18
4.	Prof. Vaishali Bambole, HOD, Dept. Of Physics, University of Mumbai	<i>V. Bambole</i>
5.	Prof. S. Venkatraman, HOD, Dept. Of Physics, B.N. Bandodkar college of science, Thane	<i>S. Venkatraman</i> 10/10/18
6.	Prof. Vandana Nanal, Scientist, TIFR, Mumbai	—
7.	Dr. Sangita Bose , Reader F, CBS, Mumbai	<i>S. Bose</i> 10/10/18
8.	Mr. Saif Qureshi , Industrialist , Mumbai	—
9.	Ms. Paula Mariwala, Industrialist , Mumbai	<i>P. Mariwala</i> 10/10/18
10.	Mr. Sreerag Sundaram, Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	<i>S. Sundaram</i> 10/10/18
11.	Mr. Abhilash Cheekoti , Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	<i>A. Cheekoti</i> 10/10/18

Date :- 10-10-18

Place : Mumbai



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Minutes of BOS held on 10-10-2018

❖ Following members were present:- Dr. S. P. Bodhane, Dr. K. Vedasankari, Dr. Jyoti. T. Singh, Prof. Vaishali Bambole, Prof. S. Venkatraman, Dr. Sangita Bose, Ms. Paula Mariwala and Student Representatives, Mr. Sreerag Sundaram and Mr. Abhilash Cheekoti.

❖ Minutes of the previous meeting, held on 15th Feb'18, were read and approved.

❖ Student representatives gave feed back and suggestions on the modified third year syllabus.

❖ A new evaluation method introduced in the current semester was discussed.. In this method student writes a review on a recent research article related to each course for which a maximum of 10 marks are awarded.

❖ Proposed syllabi for all the courses of semester 6 along with Applied component course, Environmental Physics, were discussed.

❖ The committee was informed that the department is planning to start MSc in physics with Astrophysics as special subject in future.




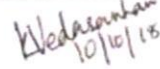
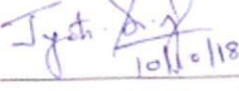
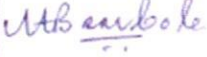
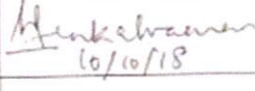

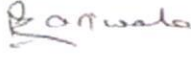

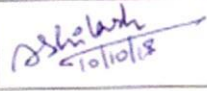


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ST. XAVIER'S COLLEGE – AUTONOMOUS, MUMBAI

DEPARTMENT OF PHYSICS

The subject board in Physics for St. Xavier's College- autonomous, hereby approves the changes in the syllabus of all the semesters to be implemented from academic year 2018-19.

S.No.	Name and affiliation	Signature
1.	Dr. Shyamala.P. Bodhane, HOD, Dept. Of Physics, St. Xavier's College	 10/10/18
2.	Dr. K. Vedesankari, Teacher Representative, Dept. Of Physics, St. Xavier's College	 10/10/18
3.	Dr. Jyoti .T. Singh, Teacher Representative, Dept. Of Physics, St. Xavier's College	 10/10/18
4.	Prof. Vaishali Bambole, HOD, Dept. Of Physics, University of Mumbai	 10/10/18
5.	Prof. S. Venkatraman, HOD, Dept. Of Physics, B.N. Bandodkar college of science, Thane	 10/10/18
6.	Prof. Vandana Nanal, Scientist, TIFR, Mumbai	—
7.	Dr. Sangita Bose , Reader F, CBS, Mumbai	 10/10/18
8.	Mr. Saif Qureshi , Industrialist , Mumbai	—
9.	Ms. Paula Mariwala, Industrialist , Mumbai	
10.	Mr. Sreerag Sundaram, Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	
11.	Mr. Abhilash Checkoti , Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	 10/10/18

Date :- 10-10-18

Place : Mumbai



NAAC SSR Cycle 4 (2015-2020) :
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AGENDA FOR BOS MEETING ON 09-03-2019

- Welcoming the new members of BOS
- Read and approve minutes of last BOS.
- Get an information about the activities held in the current semester
- Feed back from students about the revised syllabus.
- Discuss and approve changes if any in the syllabus.
- Discuss the proposed MSC syllabus for approval.
- Plan activities for the next academic year.
- Any other matter with the permission of the chair.



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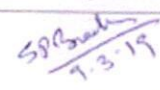
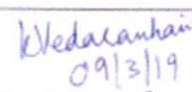
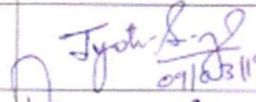
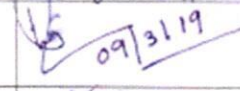
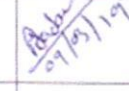
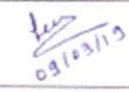
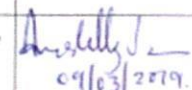
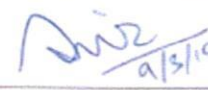
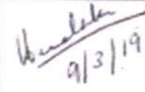
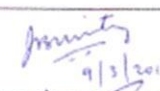
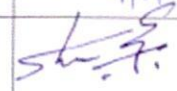

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DEPARTMENT OF PHYSICS

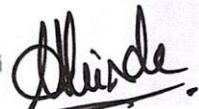
Following members of the subject board in Physics for St. Xavier's College- autonomous, attended the meeting held on 9th March 2019.

S.No.	Name and affiliation	Signature
1.	Dr. Shyamala P. Bodhane, HOD, Dept. Of Physics, St. Xavier's College	 9.3.19
2.	Dr. K. Vedasankari, Dept. Of Physics, St. Xavier's College	 09/3/19
3.	Dr. Jyoti T. Singh, Dept. Of Physics, St. Xavier's College	 09/03/19
4.	Mr. Rajesh Singh, Dept. Of Physics, St. Xavier's College	 09/3/19
5.	Mr. Ajay Yadav, Dept. Of Physics, St. Xavier's College	 09/03/19
6.	Dr. Rohan Jadhav, Dept. Of Physics, St. Xavier's College	— AB —
7.	Dr. Leena Joshi, Dept. Of Physics, St. Xavier's College	 09/03/19
8.	Dr. Radhekrishna Dubey, Dept. Of Physics, St. Xavier's College	— AB —
9.	Dr. Anwesh Mazumdar, Associate Professor, HBCSE, TIFR, Subject Expert	 09/03/2019.
10.	Dr. Sanjit Mitra, Associate Prof. IUCAA, Subject Expert	 9/3/19
11.	Ms. Hemalatha Deshpande, HOD-Physics, Vivekananda college, Mumbai, Subject Expert	 9/3/19
12.	Dr. J. B. Mistry, Dean, XIC, Department Alumni	 9/3/2019
13.	Mr. Ramesh Choubey, Varian Medical Systems, Industry representative	 9/3/19



Date :- 09-03-2019

Place : Mumbai



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NAAC SSR Cycle 4 (2015-2020) :
1_1_2_BoS Minutes - Physics



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Board of studies (BOS) Physics : Minutes of the meeting held on 09/03/19
Time: 10.00 am to 1.00 pm

Attended by:
Dr. S. P. Bodhane,
Dr. K. Vedesankari,
Dr. J. T. Singh,
Mr. Rajesh Singh,
Mr. Ajay Yadav,
Dr. Leena Joshi,
Dr. J. B. Mistry
Dr. Sanjit Mitra
Ms. Hemlatha Deshpande
Dr. Anvesh Majumdar
Mr. Ramesh Choubey

1. Minutes of the last BOS (10/10/18) were read and approved.
2. Discussion on student feedback was done for 6th semester where students shared their satisfaction for most of the courses with need for more problem solving in each course. Also students were not happy where more than two books were asked to refer for a single unit in a course.
3. BOS members suggested implementation of surprise quizzes in the form of 1 or 2 problems or 1 or 2 MCQs. This will give more stress on skill of problem solving which will also help them in cracking various entrance exams.
4. BOS also suggested to make use of various concept inventories which are meant to test student's understanding and platforms like "what if" etc. to enrich understanding of concepts.
5. All BOS members were satisfied with the question paper pattern adopted by department over the few years with zero stress on rote learning.
6. Changes in the syllabi of 2.01 and 2.02 were approved unopposed by all BOS members.
7. Revision in 6th sem applied component:
 - i) Paper title will be changed from "Environmental Physics" to "Applied Physics".
 - ii) CIA will be based on problems and rest of the marks will go to dissertation work.
 - iii) Dr. Majumdar suggested to make use of more real life and open ended problems with the help of available question papers of IPHO, literature from IYPA and AJP. This will give students more confidence while choosing a project where Physics is applied in real life and will cater to students having specialisation other than Physics.
 - iv) Dr. Mistry suggested to change topic names for problem solving, rephrasing the topics while keeping the content same. It will make it look more interesting and application oriented.
 - v) Teachers can provide suggested projects for dissertations.
 - vi) A robust system need to be developed for keeping record of students while working on dissertation and contact hours with teachers.
8. A proposal to start an M. Sc. Physics course was presented by Dr. Shyamala Bodhane.
 - i) Mr. Ramesh Choubey suggested a M.Sc. Physics with medical Physics as specialisation. He said that there is no other college in Maharashtra offering such a course.
 - ii) Also medical Physics will get good backup from industry which will make them readily employable.
 - iii) The members suggested that this option should be considered in future.





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9. Details of the proposed M. Sc. Physics (Specialisation Astrophysics) course was presented by Dr. Jyoti Singh:
- The semester wise course plan and detailed syllabus of each course was presented.
 - Dr. Majumdar gave detailed comments on various course with overall feeling that each course is too heavy. Hence suggested deletion of some portions from each course to make it appropriate.
 - Dr. Majumdar will share detailed suggestions for each course with Dr. Jyoti Singh.
 - Dr. Sanjit Mitra said that he was satisfied with the course on general relativity and cosmology for its size and content.
 - It was suggested by Dr. J. B. Mistry that lab courses should be called "Group-1" and "Group-2" without any specifications.
 - Dr. Majumdar suggested possibility of elective courses, as this will give some flexibility to students. To name a few, Fluid mechanics and neutron star, General relativity and gravitational waves, Cosmology etc.
 - The idea of entire 10th semester being dedicated to project work was approved. Also BOS members suggested the possibility of MOUs with IUCAA, TIFR etc. which will give better opportunities to students for doing project work.
 - (Dr. Mistry) Change in title for the course named "Introduction to astronomy" to "Basic Astronomy" was suggested by Dr. Mistry.
 - For Electronics and DIP course of semester 2, it was decided that microprocessor and micro controller will be taught only in lab course and hence to be removed from theory. Hence we will now have 1 unit of electronics and DIP, which was for 2 units. will expand to 3 units.
 - Basic Astronomy will be interchanged with Electronics and DIP course.
 - It was also decided that the sequence for semester 1 courses will be as follows:
0701 Mathematical Methods
0702 Classical Mechanics
0703 Quantum Mechanics
0704 Basic Astronomy

10. The BOS gave its approval to start this course after the deliberations on these points.

- Ajay R. Yadav *Ajay R. Yadav*
12/10/19
- J. B. Mistry *J. B. Mistry*
12/10/2019
- Rajesh Singh *Rajesh Singh*
12/10/19
- Hemalata Deshpande *Hemalata*
12/10/19
- SANJIT MITRA *Sanjit Mitra*
12/10/19
- Leena Joshi *Leena Joshi*
12/10/19
- SMB*
12-10-19
- 2
- K. Vedasankar *K. Vedasankar*
- Jyoti Singh *Jyoti Singh*
12/10/19



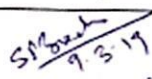
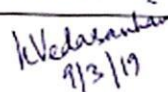
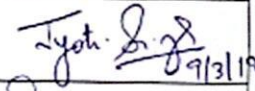
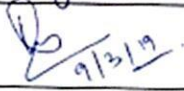


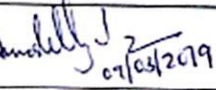

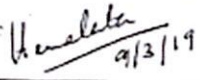
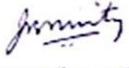
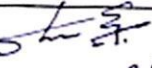


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DEPARTMENT OF PHYSICS

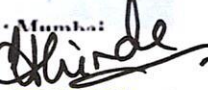
The subject board in Physics for St. Xavier's College- autonomous, hereby approves the changes in the syllabi, listed below, to be implemented from academic year 2019-20.

SPHY0201	SPHY0202	SPHY06AC	
SPHY0701	SPHY0702	SPHY0703	SPHY0704
SPHY0801	SPHY0802	SPHY0803	SPHY0804
SPHY0901	SPHY0902	SPHY0903	SPHY0904
SPHY07PR	SPHY08PR	SPHY09PR	SPHY010

S.No.	Name and affiliation	Signature
1.	Dr. Shyamala.P. Bodhane, HOD, Dept. Of Physics, St. Xavier's College	 9/3/19
2.	Dr. K. Vedesankari, Dept. Of Physics, St. Xavier's College	 9/3/19
3.	Dr. Jyoti .T. Singh, Dept. Of Physics, St. Xavier's College	 9/3/19
4.	Mr. Rajesh Singh, Dept. Of Physics, St. Xavier's College	 9/3/19
5.	Mr. Ajay Yadav, Dept. Of Physics, St. Xavier's College	 09/03/19
6.	Dr. Rohan Jadhav, Dept. Of Physics, St. Xavier's College	—
7.	Dr. Leena Joshi, Dept. Of Physics, St. Xavier's College	 09/03/19
8.	Dr. Radhekrishna Dubey, Dept. Of Physics, St. Xavier's College	—
9.	Dr. Anwesh Mazumdar, Associate Professor, HBCSE,TIFR, Subject Expert	 09/03/2019
10.	Dr. Sanjit Mitra, Associate Prof, IUCAA, Subject Expert	 9/3/19
11.	Ms. Hemalatha Deshpande, HOD-Physics, Vivekananda college, Mumbai , Subject Expert	 9/3/19
12.	Dr. J. B. Mistry, Dean, XIC , Department Alumni	 9/3/19
13.	Mr. Ramesh Choubey, Varian Medical Systems, Industry representative	 9/3/19

Date :- 09-03-2019

Place : Mumbai



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2017-2018




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AGENDA FOR BOS MEETING TO BE HELD ON
15TH FEBRUARY 2018

1. Read and approve the minutes of last BOS meeting.
2. Get an information about the activities held in the year 2017-18.
3. Feedback from teachers on project based learning.
4. Discuss and approve the changes in the syllabus of odd semesters of all the three years.
5. Discuss and approve the two level physics courses at FYBSc.
6. Plan activities for the year 2018-19. →
6. Any other matter with the permission of the chair.



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Date :- 15-02-18

Place : Mumbai

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DEPARTMENT OF PHYSICS

SUBJECT BOARD IN PHYSICS

S.No.	Name and affiliation	Signature
1.	Dr. Shyamala.P. Bodhane, HOD, Dept. Of Physics, St. Xavier's College	<i>Shyamala P. Bodhane</i> 15/2/18
2.	Dr. K. Vedasankari, Teacher Representative, Dept. Of Physics, St. Xavier's College	<i>K. Vedasankari</i> 15/2/18
3.	Dr. Jyoti .T. Singh, Teacher Representative, Dept. Of Physics, St. Xavier's College	<i>Jyoti T. Singh</i> 15/2/18
4.	Prof. Vaishali Bambole, HOD, Dept. Of Physics, University of Mumbai	
5.	Mr. S. Venkatraman, HOD, Dept. Of Physics, B.N. Bandodkar college of science, Thane	<i>S. Venkatraman</i> 15/2/18
6.	Prof. Vandana Nanal, Scientist, TIFR, Mumbai	<i>Vandana Nanal</i>
7.	Dr. Sangita Bose , Reader F, CBS, Mumbai	
8.	Mr. Saif Qureshi , Industrialist , Mumbai	
9.	Ms. Paula Mariwala, Industrialist , Mumbai	
10.	Mr. Arjun Ashoka, Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	<i>Arjun Ashoka</i> 15/2/18
11.	Ms. Keerthi Paul, Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	<i>Keerthi Paul</i> 15/2/18

Date :- 15-02-18

Place : Mumbai



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Minutes of Board of studies meeting held on 15/02/2018

- The members present were Dr. Shyamala.P. Bodhane, Dr. K. Vedsankari , Dr. Jyoti.T. Singh, Prof. S. Venkatraman , Prof. Vandana Nanal, Student Representatives, Mr. Arjun Ashoka and Ms. Keerthi Paul.
- The last years minutes were read out by Dr. Bodhane.
- The student representatives gave their suggestions. Project based learning in practicals were well appreciated.
- All department activities including Exhibition, honours program and PROBE were explained by the head of the department.
- Arjun spoke about his experience in hyper loop and also about the students visit to TIFR to perform some nuclear physics and atomic physics experiments.
- Minor Changes were made in courses 2.01, 3.01,3.03, 4.01, 4.02.
- Syllabii of third year courses in the fifth semester, 5.01,5.02,5.03 and 5.04 were modified and approved. The applied component course digital image processing was also modified and approved.
- Lower level physics courses for first year students were presented to the BOS. Members appreciated the syllabii and approved.
- Prof. Venkatraman raised a query whether we can modify entire syllabus or only 30%. UGC guidelines suggest very clearly that one can modify the entire content and rename the courses when required.
- The department has restructured the syllabii of sixth semester of third year courses which will be presented in the forthcoming BOS meeting.



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DEPARTMENT OF PHYSICS

The subject board in Physics for St. Xavier's College- autonomous, hereby approves the changes in the syllabus of the courses: in 1.03, 1.04, 2.01, 3.01, 3.03, 4.01, 4.02 & fifth semester syllabus with minor changes in 5.01, 5.02, 5.03 & no changes in 5.04 & Applied component, viz, Digital Image Processing.

to be implemented from academic year 2018-19.

S.No.	Name and affiliation	Signature
1.	Dr. Shyamala.P. Bodhane, HOD, Dept. Of Physics, St. Xavier's College	<i>S.P. Bodhane</i> 15/2/18
2.	Dr. K. Vedesankari, Teacher Representative, Dept. Of Physics, St. Xavier's College	<i>K. Vedesankari</i> 15/2/18
3.	Dr. Jyoti .T. Singh, Teacher Representative, Dept. Of Physics, St. Xavier's College	<i>Jyoti .T. Singh</i> 15/2/18
4.	Prof. Vaishali Bambole, HOD, Dept. Of Physics, University of Mumbai	—
5.	Mr. S. Venkatraman, HOD, Dept. Of Physics, B.N. Bandodkar college of science, Thane	<i>S. Venkatraman</i> 15/2/18
6.	Prof. Vandana Nanal, Scientist, TIFR, Mumbai	<i>Vandana Nanal</i> 15/2/18
7.	Dr. Sangita Bose , Reader F, CBS, Mumbai	—
8.	Mr. Saif Qureshi , Industrialist , Mumbai	—
9.	Ms. Paula Mariwala, Industrialist , Mumbai	—
10.	Mr. Arjun Ashoka, Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	<i>Arjun Ashoka</i> 15/2/18
11.	Ms. Keerthi Paul, Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	<i>Keerthi Paul</i> 15/2/18





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AGENDA FOR BOS MEETING TO BE HELD ON

25TH FEBRUARY 2017

1. Read and approve the minutes of last BOS meeting.
2. Get an information about the activities held in the year 2016-17.
3. Feedback of first year teachers who taught the courses.
4. Discuss and approve the changes in the syllabus.
- 5 Plan activities for the year 2017-18.
6. Any other matter with the permission of the chair.



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1 1 2 BoS Minutes - Physics

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DEPARTMENT OF PHYSICS

SUBJECT BOARD IN PHYSICS

S.No.	Name and affiliation	Signature
1.	Dr. Shyamala.P. Bodhane, HOD, Dept. Of Physics, St. Xavier's College	<i>Shyamala</i> 25/2/17
2.	Dr. K. Vedasankari, Teacher Representative, Dept. Of Physics, St. Xavier's College	<i>K. Vedasankari</i> 25/2/17
3.	Dr. Jyoti .T. Singh, Teacher Representative, Dept. Of Physics, St. Xavier's College	<i>Jyoti Singh</i> 25/2/17
4.	Prof. Vaishali Bambole, HOD, Dept. Of Physics, University of Mumbai	—
5.	Prof. S. Venkatraman, HOD, Dept. Of Physics, B.N. Bandodkar college of science, Thane	<i>S. Venkatraman</i> 25/2/17
6.	Prof. Vandana Nanal, Scientist, TIFR, Mumbai	<i>Vandana</i>
7.	Dr. Sangita Bose , Reader F, CBS, Mumbai	<i>Sangita</i>
8.	Mr. Saif Qureshi , Industrialist , Mumbai	—
9.	Ms. Paula Mariwala, Industrialist , Mumbai	—
10.	Mr. Shalom Palkiwala, Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	<i>Shalom Palkiwala</i>
11.	Mr. Abhiroop Sen, Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	<i>Abhiroop Sen</i>

Date :- 25-02-17

Place : Mumbai



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MINUTES OF B.O.S. MEETING HELD ON 25-02-17

1. The members present were Dr. S.P. Bodhane, Dr. K. Vedesankari, Dr. Jyoti. T. Singh, Prof. Vandana Nanal, Dr. Sangeeta Bose, Mr. S. Venkatraman and the student representatives.
2. Minutes of the previous BOS meeting held on 19/03/2016 were read out by Dr. Vedesankari.
3. Student representatives gave their suggestions. They wanted more interesting applied components like computational methods or environmental physics. But the change in the applied component is going to be implemented in the year 2018-19.
4. Course wise, project based learning in the practical components for all the three years, newly started in the academic year 2017-18 was appreciated by all the members.
5. After a long and thorough discussion, the syllabus for SYBSc, to be implemented in 2017-18, was approved.



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ST. XAVIER'S COLLEGE – AUTONOMOUS, MUMBAI

DEPARTMENT OF PHYSICS

The subject board in Physics for St. Xavier's College- autonomous, hereby approves the changes in the syllabus of all the semesters to be implemented from academic year 2017-18.

S.No.	Name and affiliation	Signature
1.	Dr. Shyamala.P. Bodhane, HOD, Dept. Of Physics, St. Xavier's College	<i>Shyamala P. Bodhane</i> 25/2/17
2.	Dr. K. Vedesankari, Teacher Representative, Dept. Of Physics, St. Xavier's College	<i>K. Vedesankari</i> 25/2/17
3.	Dr. Jyoti .T. Singh, Teacher Representative, Dept. Of Physics, St. Xavier's College	<i>Jyoti T. Singh</i> 25/2/17
4.	Prof. Vaishali Bambole, HOD, Dept. Of Physics, University of Mumbai	—
5.	Prof. S. Venkatraman, HOD, Dept. Of Physics, B.N. Bandodkar college of science, Thane	<i>S. Venkatraman</i>
6.	Prof. Vandana Nanal, Scientist, TIFR, Mumbai	<i>Vandana Nanal</i>
7.	Dr. Sangita Bose , Reader F, CBS, Mumbai	<i>Sangita Bose</i>
8.	Mr. Saif Qureshi , Industrialist , Mumbai	—
9.	Ms. Paula Mariwala, Industrialist , Mumbai	—
10.	Mr. Shalom Palkiwala, Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	<i>Shalom Palkiwala</i>
11.	Mr. Abhiroop Sen, Student representative, T.Y. BSc, Dept. Of Physics, St. Xavier's College	<i>Abhiroop Sen</i>

Date :- 25-02-17

Place : Mumbai



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Attendance

Department of Physics

St. Xavier's college, autonomous, Mumbai

The subject board in Physics, St. Xavier's college, autonomous, Mumbai approves the changes made in the syllabus of first and second semester Physics courses.

Sr. No.	Name and Affiliation	Signature
1	Dr. Shyamala Bodhane, HOD, Physics, St. Xaviers College	<i>SBodhane</i> 19.3.16
2	Dr. K. Vedasankari, Teacher representative, Dept. of Physics, St. Xaviers College	<i>KVedasanhan</i> 19/3/16
3	Dr. Jyoti Singh, Teacher representative, Dept. of Physics, St. Xaviers College	<i>Jyoti Singh</i> 19/3/16
4	Prof. Anuradha Mishra, HOD, Physics, University of Mumbai	
5	Prof. Vandana Nanal, Scientist, TIFR, Mumbai	
6	Dr. Sangita Bose, Scientist, CBSI, Mumbai	<i>Sangita Bose</i> 19/3/16
7	Dr. Venkatraman S., B. N. Bandodkar College, Thane	<i>Venkatraman</i> 19/3/2016
8	Mr. Saif Qureshi, Industrialist, Mumbai	
9	Mr. Paula Mariwala, Industrialist, Mumbai	
10	Mr. Dsilva Karan, Student representative, Dept. of Physics, St. Xaviers College	<i>K. Dsilva</i> 19/3/16
11	Mr. Shabbar Adnan Ali, Student representative, Dept. of Physics, St. Xaviers College	<i>Shabbar</i> 19/3/2016



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MINUTES OF B.O.S. MEETING HELD ON 19-03-16

1. The members present were Dr. S.P. Bodhane, Dr. K. Vedesankari, Dr. Jyoti. T. Singh, Dr. Sangeeta Bose, Prof. Venkatraman and the student representatives.
2. The last year's minutes were read out by Dr. Bodhane.
3. Student representatives gave their suggestions. They wanted more conceptual questions rather than problems. They also wanted a link between subject and real life situation.
4. This year we did follow the above suggestions to a certain extent in FY BSC syllabus. We followed University physics by Sears and Zemansky, 13th edition and Berkley Physics series, electricity and magnetism by Purcell.
5. We introduced inquiry based learning in first year practicals.
6. We also introduced projects for first year practical evaluation based on their two courses in each semester.
7. We are planning to follow in a similar manner for SY BSC in the academic year 2017-18.



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ST. XAVIER'S COLLEGE-AUTONOMOUS, MUMBAI
DEPARTMENT OF PHYSICS

The subject board in Physics for St. Xavier's College-Autonomous hereby approves the changes in the syllabus of all the Semesters to be implemented from academic year 2016-17.

Sr. No.	Name and Affiliation	Signature
1	Dr. Shyamala Bodhane, HOD, Physics, St. Xaviers College	<i>Shyamala Bodhane</i> 19/3/16
2	Dr. K. Vedasankari, Teacher representative, Dept. of Physics, St. Xaviers College	<i>K. Vedasankari</i>
3	Dr. Jyoti Singh, Teacher representative, Dept. of Physics, St. Xaviers College	<i>Jyoti Singh</i>
4	Prof. Anuradha Mishra, HOD, Physics, University of Mumbai	
5	Prof. Vandana Nanal, Scientist, TIFR, Mumbai	
6	Dr. Sangita Bose, Scientist, CBSE, Mumbai	<i>Sangita Bose</i> 19/3/16
7	Dr. Venkatraman S, B. N. Bandodkar College, Thane	<i>Venkatraman S</i> 19/3/16
8	Mr. Saif Qureshi; Industrialist, Mumbai	
9	Mr. Paula Mariwala, Industrialist, Mumbai	
10	Mr. Dsilva Karan, Student representative, Dept. of Physics, St. Xaviers College	<i>K. Dsilva</i> 19/3/16
11	Mr. Shabbar Adnan Ali, Student representative, Dept. of Physics, St. Xaviers College	<i>Shabbar Adnan Ali</i> 19/03/2016

Date: 19/03/2016

Place: Mumbai



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DEPARTMENT OF PHYSICS

Agenda for the meeting held on 13/03/2015

- To read and approve minutes of the last BOS
- To discuss about the new teaching- learning methods adopted
- To discuss the review of the syllabus given by the students
- To consider the changes proposed in the syllabus.
- Any other matter with the permission of the chair.



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DEPARTMENT OF PHYSICS
BOS members for the meeting held on 13/03/2015

Sr. No.	Name and Affiliation	Signature
1	Dr. Shyamal Bodhane, HOD, Physics, St. Xaviers College	<i>Shyamal Bodhane</i> 13.3.15
2	Dr. Vedasankari, Teacher representative, Dept. of Physics, St. Xaviers College	<i>Vedasankari</i> 13/3/15
3	Dr. Jyoti Singh, Teacher representative, Dept. of Physics, St. Xaviers College	<i>Jyoti Singh</i> 13/3/15
4	Prof. Anuradha Mishra, HOD, Physics, University of Mumbai	
5	Prof. Vandana Nanal, Scientist, TIFR, Mumbai	<i>Vandana Nanal</i> , 13/3/15
6	Dr. Sangita Bose, Scientist, CBSE, Mumbai	
7	Dr. Raghu Pillai, HOD, Physics, R. Jhunjhunwala College, Mumbai	<i>Raghu Pillai</i>
8	Mr. Saif Qureshi, Industrialist, Mumbai	
9	Mg. Paula Mariwala, Industrialist, Mumbai	<i>Paula Mariwala</i> 13/3/15
10	Mr. Faher ^{MUNAWWAR} Habib, Student representative, T.Y. B.Sc, Department of Physics, St. Xaviers College.	<i>Munawwar</i> 13/3/15
11	Mr. Shubham Kanodia, Student representative, T.Y. B.Sc, Department of Physics, St. Xaviers College.	<i>Shubham Kanodia</i> 13/3/15

Date: 13/03/2015

Place: Mumbai





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☎ 2262 0661/65

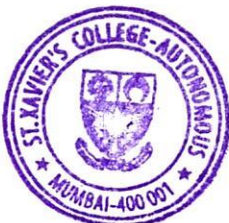
ST. XAVIER'S COLLEGE-AUTONOMOUS, MUMBAI
DEPARTMENT OF PHYSICS

The subject board in Physics for St. Xavier's College-Autonomous hereby approves the changes in the syllabus of all the Semesters to be implemented from academic year 2015-16.

Sr. No.	Name and Affiliation	Signature
1	Dr. Shyamal Bodhane, HOD, Physics, St. Xaviers College	<i>Shyamal Bodhane</i> 13-3-15
2	Dr. Vedasankari, Teacher representative, Dept. of Physics, St. Xaviers College	<i>Vedasankari</i>
3	Dr. Jyoti Singh, Teacher representative, Dept. of Physics, St. Xaviers College	<i>Jyoti Singh</i>
4	Prof. Anuradha Mishra, HOD, Physics, University of Mumbai	
5	Prof. Vandana Nanal, Scientist, TIFR, Mumbai	
6	Dr. Sangita Bose, Scientist, CBSE, Mumbai	<i>Sangita Bose</i>
7	Dr. Raghu Pillai, HOD, Physics, R. Jhunjhunwala College, Mumbai	<i>Raghu Pillai</i>
8	Mr. Saif Qureshi, Industrialist, Mumbai	
9	Mr. Paula Mariwala, Industrialist, Mumbai	
10	Mr. Taher ^{Farah} Habib, Student representative, T.Y. B.Sc, ^{MUMBAI} DEPARTMENT OF PHYSICS, St. Xaviers College.	<i>Farah Habib</i>
11	Mr. Shubham Kanodia, Student representative, T.Y. B.Sc, Department of Physics, St. Xaviers College.	<i>Shubham Kanodia</i> 13/3/15

Date: 13/03/2015

Place: Mumbai



NAAC SSR Cycle 4 (2015-2020) :
1_1_2_BoS Minutes - Physics

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