

Department of Physics – BOS-2017-18

BOS Meeting on 31st July 2017

Members present –

Sr. No.	Name	Affiliation	Position on the BOS	Attendance
1)	Dr. Vaishali Bambole	Head ,University Department of Physics, vabphy@gmail.com	Chairman	Yes
2)	Dr. Mohan Narayan Associate Professor and Head, Dept of Physics, ICT Mumbai.	m.narayan@ictmumbai.edu.in Phone- 9892906162	Subject expert	Yes
3)	Dr. Rajesh Khaparde	Homi Bhabha Centre for Science Education, TIFR rajeshkharde@gmail.com	Subject expert	No
4)	Dr. Vaibhav Prabhudesai- TIFR- Associate professor	vaibhav.p.d@gmail.com vaibhav@tifr.res.in	Subject expert	Yes
5)	Mr. Hoshang Chothia	Scientist, G.M., Siemen Ltd hoshang01@gmail.com	Professional experts from the Industry	Yes
6)	Mr. Makrand Appalwar	M.D., Emmbi Polyarns Ltd. makrand.appalwar@emmbi.com	Professional experts from the Industry	Yes
7)	Dr. Vijay Mayekar	Head, Department of Physics, R. Ruia College(A)	Member	Yes
8)	Dr. Rajendra Rathi	Senior faculty, Department of Physics, R. Ruia College(A)	Member	Yes
9)	Dr. Pratap Patil	Senior faculty, Department of Physics, R. Ruia College(A)	Member	No
10)	Mr. Prashant Sundaram	TYBSC Student, T.Y.B.Sc, R. Ruia College (A)	Member	Yes
11)	Mr. PrasannaLingayat	MSc Student, R. Ruia College (A)	Member	Yes

Agenda

- 1. Discussion of new F Y B Sc syllabus**
- 2. Discussion of new S Y B Sc syllabus**
- 3. Discussion of new TYBSc syllabus**
- 4. Discussion of new M Sc syllabus**
- 5. Evaluation method**

Minutes

1. Introduction and Welcome from HOD, Prof. Rajendra Rathi.
Prof Rathi welcome all the invited BOS member. BOS member reviewed the existing syllabus and an extensive discussion was held to improve the existing syllabus. The following changes were finalized with all present BOS members.
 - a) F.Y.B.Sc Syllabus: Existing syllabus was approved without any change.
 - b) S.Y.B.Sc syllabus: Existing syllabus was approved by the BOS member except Paper RUSPHY403. In Paper RUSPHY403, unit 1 and 2 of geomagnetism topic is to be replaced with the synthesis of Nano material and Analysis Technique.
 - c) TYBSc Syllabus: In the solid state Physics (RUSPHY502), minor changes were suggested and were incorporated in the revised syllabus.
 - d) M.Sc. Syllabus: Existing syllabus was approved without any change.
2. Suggestions for evaluation:
Continuous evaluation was suggested by BOS body in the form of class test, assignment and quiz to be held from time to time.
3. Meeting was conclude on summarizing note by Prof Rajendra Rathi on the discussion held in the BOS meeting
4. Meeting was concluded with the snacks and tea.

Signature:

Rajendra Rathi

Head, Department of Physics

Attendance

BOS Meeting on 6th March 2018, 12.30 AM-2.30 PM

Sr. No.	Name	Affiliation	Position on the BOS	Attendance
1)	Dr. Vaishali Bambole	Head ,University Department of Physics, vabphy@gmail.com	Chairman	No
2)	Dr. Mohan Narayan Associate Professor and Head, Dept of Physics, ICT Mumbai.	m.narayan@ictmumbai.edu.in Phone- 9892906162	Subject expert	Yes
3)	Dr. Rajesh Khaparde	HomiBhabha Centre for Science Education, TIFR rajeshkharde@gmail.com	Subject expert	Yes
4)	Dr. Vaibhav Prabhudesai- TIFR-Associated professor	vaibhav.p.d@gmail.com vaibhav@tifr.res.in	Subject expert	Yes
5)	Mr. Hoshang Chothia	Scientist, G.M., Siemens Ltd hoshang01@gmail.com	Professional expert from the Industry	No
6)	Mr. Makrand Appalwar	M.D., EmmbiPolyarns Ltd. makrand.appalwar@emmbi.com	Professional expert from the Industry	No
7)	Dr. Vijay Mayekar	Head, Department of Physics, R. Ruia College(A)	Member	Yes
8)	Dr. Rajendra Rathi	Senior faculty, Department of Physics, R. Ruia College(A)	Member	Yes
9)	Dr. Pratap Patil	Senior faculty, Department of Physics, R. Ruia College(A)	Member	Yes
10)	Mr. Prashant Sundaram	TYBSC Student, T.Y.B.Sc, R. Ruia College (A)	Member	Yes
11)	Mr. Prasanna Lingayat	M Sc Student, T.Y.B.Sc, R. Ruia College (A)	Member	No

Agenda of the Meeting

1. Discuss and accept BSc and MSc Physics syllabi along the Mumbai University with new practical and reorganisation of Theory paper at FYBSc and SYBSc level
2. Suggest methodology for innovative teaching and evaluation techniques
3. Suggest Panel of Examiners to Examination Committee

Minutes of the meeting of the Board of Studies

1. Introduction and Welcome from HOD, Prof. Vijay Mayekar.
He made remark about keeping syllabus of physics in line with syllabus of Physics of Mumbai University. He informed BOS members about addition of new experiments at S.Y.B.Sc and T.Y.B.Sc levels taking advantage of new experimental resources added in the last academic year, 2017-18. (New resource – Hologram making experimental setup)
2. Suggestions from BOS members:
 - a. Dr. Rajesh Khaparde – Syllabus should have sufficient depth, giving all the details of few parts. No need to follow Mumbai University syllabus.
 - b. Dr. Mohan Narayan – It is okay to follow Mumbai University syllabus, but there should be project for T.Y.B.Sc students.
3. Discussion of BOS members about new syllabus (2018-19) with reference to syllabus of 2017-18. Discussion was paper-wise and class-wise.
 - a. Addition of new experiments at T.Y.B.Sc level in skill experiments, demo experiments and regular experiments.
 - b. At S.Y.B.Sc level – Theory papers are organized removing mixing of electronics with physics. Paper 401 has been totally based on Optics, including application of Optical devices as one complete unit. Few other papers are organized by removing repetition (Types of heat engines). Quantum Mechanics (Paper 402) has been organized for intensive study of applications of Quantum mechanics to different systems.
 - c. At F.Y.B.Sc level – Digital electronics is shifted to S.Y.B.Sc, without 555 timer. Vector calculus has been shifted to S.Y.B.Sc.

Signature:

Dr. Vijay Mayekar

Head, Department of Physics