

## MINUTES OF MEETING

The meeting of Board of studies for the subject of Physics was held on 19/08/2020 at 5.00 p.m. The meeting was held online due to pandemic situation. The agenda of the meeting was forwarded in advance to all the members by email along with the draft syllabus.

Link of Meeting

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZjdmZGIyNTktNGEwNy00NjQ3LTk3ZGMtZTg4NTA2YWViOTE3%40thread.v2/0?context=%7b%22Tid%22%3a%2260432f7d-cfb7-4200-a6b8-f755e8d6aa44%22%2c%22Oid%22%3a%220b47bce0-4437-4ba9-a536-873e2795a891%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZjdmZGIyNTktNGEwNy00NjQ3LTk3ZGMtZTg4NTA2YWViOTE3%40thread.v2/0?context=%7b%22Tid%22%3a%2260432f7d-cfb7-4200-a6b8-f755e8d6aa44%22%2c%22Oid%22%3a%220b47bce0-4437-4ba9-a536-873e2795a891%22%7d)

Agenda: 1) To discuss and finalize the syllabus for the subject of Physics under autonomy of V. G. Vaze College of Arts, Science & Commerce, Mulund , Mumbai.

### **Members present for the meeting:**

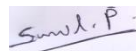
1. Dr Suresh Namdevrao Kadam (chairmen )



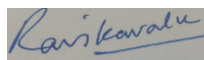
2. Prof Bapat (V.C.'s Nominee)



3. Dr Patange Sunil (Subject Experts)



4. Dr Ravi Kawale (Subject Experts)



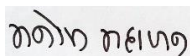
5. Mr K.K. Gangadharan Nair (Industry Expert)



6. Dr K.G Bhole (Subject Experts)



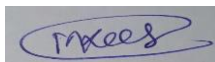
7. Dr Manoj Mahajan (Member)



8. Mr Ashitosh Trigune (Member)



9. Mr Mahesh Kedare (Member)



The brief points discussed by all the BOS members are as follows.

- 1. The chairman Dr S N Kadam before presenting the syllabus to members informed that, the faculty of department discussed the contents of possible syllabus in detail and come out suggestions in the form of draft syllabus. Members are free to change the contents. Chairman presented the draft syllabus course wise and page wise for the discussion. Following is the summary of the discussion.**

**For Class F.Y.B.Sc**

**F. Y. B.Sc Physics Sem-I Paper-I (FPHT101)**

**Unit –I No change**

**In unit –II.** The point number 5.2 & 5.3 (i.e 5.2 Young's double slit Experiment –Wave front division 5.3 Fresnel Biprism ) Dr. Sunil Patange and Dr. K. G Bhole, suggested to remove said above points because the students have already learnt that in 12<sup>th</sup> std so it is repeated. It was discussed and was removed unanimously from proposed syllabus.

**Unit –III: No change**

**F. Y. B. Sc Physics Sem-I Paper –II (FPHT102)**

**Unit –I** Chaper -3 Detectors (contains 3.1 to 3.5) Prof S Bapat suggested that these articles are not suitable at FY level, it is too heavy. Discussed and were removed unanimously from proposed syllabus.

**Unit –II No change**

**Unit - III** The reshuffling of chapter 8 to 7 and 7 to 8 for proper continuity suggested by Prof. Dr. Ravi Kawale. Discussed and were agree unanimously by all members and said changed in the proposed syllabus.

Some additional references were suggested by Dr. K.G. Bhole

**F. Y. B. Sc. Physics Sem-I Practical : (FPHP01) No change**

**F. Y. B.Sc. Sem-II Paper – I (FPHT201)**

**Unit –I No change**

**Unit –II No change**

**Unit –III No Change**

## **F. Y. B.Sc Sem-II Paper – II (FPHT202)**

**Unit –I No change**

**Unit –II Reshuffling** of subtopics, to have continuity, suggested by Dr. K.G Bhole. Discussed and changes were incorporated in the proposed syllabus.

**Unit –II** Chapter -4 one sub topic i.e 4.4 Line and Load regulation is added suggested by Dr. Ravi Kawale. Discussed and was added in the proposed syllabus.

**Unit –III Reshuffling of chapters on analog and digital electronics was proposed by Dr. K.G. Bhole.** Discussed and agreed unanimously by all members and the said changes were incorporated in the proposed syllabus.

**F. Y. B.Sc Sem-II Physics practical (FPHP02): No changes were suggested**

**For Class S.Y.B.Sc**

S.Y.B.Sc Sem-III , Paper –I (SPHT301)

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

Additional reference book was suggested by Dr K G Bhole. It is incorporated

**S.Y.B.Sc Sem-III, Paper –II (SPHT302)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

Additional reference books were suggested and incorporated.

**S.Y.B.Sc Sem-III, Paper –III (SPHT303)**

**Unit –I** No change

**Unit –II** No change

**Unit –II** No change

Additional reference book was suggested and incorporated.

**S.Y.B.Sc Sem-III Physics Practical ((SPHP03): No Change**

S.Y.B.Sc Sem-IV Paper –I (SPHT401)

**Unit –I** No Change

Unit –II No Change

Unit –III Chapter 8, Subtopic 8.2 Registers and its types should be removed suggested by all Members. Discussed and were removed unanimously from the proposed syllabus.

**S.Y.B.Sc Sem-IV Paper –II (SPHT402)**

**Unit –I Chapter I** Background Review to quantum mechanics was removed as suggested by all the members.

**Unit –II & III** Renaming of chapter suggested by Dr. S. Patange and Prof Bapat. Discussed by all members and said changes were incorporated in the proposed syllabus.

**S.Y.B.Sc Sem-IV Paper –III (SPHT403)**

**Unit–I** The following subtopics (i.e. Registers, Multiplexers and Demultiplexer) were proposed by Mr Gangadhar and Dr. K.G Bhole. Discussed by all members and said changes were incorporated in the proposed syllabus.

**Unit –II** No Change

**Unit –III** No Change

**For Class T.Y.B.Sc Physics**

**T.Y.B.Sc Physics Sem-V Paper –I (TPHT501)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

**Unit –IV** No change

**T.Y.B.Sc Physics Sem-V Paper –II (TPHT502)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

**Unit –IV** No change

**T.Y.B.Sc Physics Sem-V Paper –III (TPHT503)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

**Unit –IV** No change

**T.Y.B.Sc Physics Sem-V Paper –IV (TPHT504)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

**Unit –IV** No change

**T.Y.B.Sc Physics Sem-V Paper –V ( Applied Component) (TACCST501)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

**Unit –IV** No change

**T.Y.B.Sc Sem-V Physics Practical (TPHP05+ TPHP06): No Change**

**For Class T.Y.B.Sc Physics SEM –VI**

**T.Y.B.Sc SEM –VI Physics Paper- I (TPHT601)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

**Unit –IV** No change

**T.Y.B.Sc SEM –VI Physics Paper- II(TPHT602)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

**Unit –IV** Chapter 9 Logic Family was removed, proposed by all the members. Discussed and was removed unanimously from the proposed syllabus.

**T.Y.B.Sc SEM –VI Physics Paper- III (TPHT603)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

**Unit –IV** No change

**T.Y.B.Sc SEM –VI Physics Paper- IV (TPHT604)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

**Unit –IV** No change

**T.Y.B.Sc SEM –VI Physics Paper- V (Applied component) (TACCST501)**

**Unit –I** No change

**Unit –II** No change

**Unit –III** No change

**Unit –IV** No change

**T.Y.B.Sc SEM –VI Physics Practical (TPHP07+ TPHP08): No Change**

**T.Y.B.Sc SEM –VI Applied Physics Practical: No Change**

**In the BOS meeting the discussion was positive, healthy and fruitful. The necessary inputs suggested /proposed by the members were incorporated in the proposed syllabus and the final syllabus was framed. The said syllabus is unanimously accepted and approved by all the members of BOS Physics.**

Thank you.

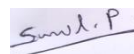
1. Dr Suresh Namdevrao Kadam (chairmen )



2. Prof S. Bapat (V.C.'s Nominee)



3. Dr Sunil M Patange Sunil (Subject Experts)



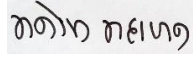
4. Mr K.K.Gangadharan Nair (Industry Expert)



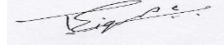
5. Dr K.G Bhole (Subject Experts)



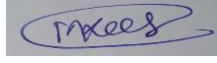
6. Dr Manoj Mahajan (Member)



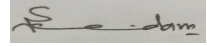
7. Mr Ashitosh Trigune (Member)



8. Mr Mahesh Kedare (Member)



**Date: 19<sup>th</sup> August 2020.**



Dr Suresh Namdevrao Kadam

(Chairperson, BOS, Department of Physics)