

Minutes of the Board of Studies meeting for P.G &  
M.Phil. Physics Courses held on 07.02.2018 at 11 a.m in  
the Physics Department.  
Sadakathullah Appa College - Tirunelveli

Members present :

- 1) Dr. S.H. Mohamed Ameen - Chairman
- 2) Dr. K. Ganesan - University Nominee
- 3) Prof. D. Jegathi Jasmine - Subject Expert
- 4) S. Karthiga Devi - Alunieni
- 5) A. Zeenath Bazeera
- 6) Dr. V. Chinnathambi
- 7) Dr. S.M. Abdul Kader
- 8) Dr. R. Jothimani
- 9) A. Ferin Fathima
- 10) A. Ponchitra

Resolved to introduce the new courses and revise the  
Syllabus as mentioned in the Annexure.

## Suggestions / Corrections to be made

1. → A more weightage for the project shall be given in terms of credit and contact hours<sup>per week</sup>, when compared to those of core and Elective papers  
→ Project credit range : 5-8
2. → The LTPC (L-Lecture, T-Tutorial, P-Practical, e-credit) formula as per the UGC Norms shall be followed for all the courses in the PG program:  
1 credit = 1 hour per week (Lecture) (or)  
2 practical hours (or)  
2 tutorial hours
3. → The course structure, revision of credits, contact hours per week etc, shall be structured similar to the existing pattern being followed in M.S. University / Affiliated colleges and in line with the UGC guidelines with effect from the academic year 2018-2019 and onwards. [Ref.: Letter No : MSU/R/BOS/SCAA Resolution/Autonomous College/0-421, dated 05.02.2018 from the Registrar, MS University address to the principals of the Autonomous colleges.]

M. S. Pradeep

- 4 → Each course can be given a preamble consisting of the objectives, pre requisite, outcome, application etc.
- 5 → If an external expert / University Nominee / Subject expert / Alumni / Industrial expert of Board of Studies is absent for 2 meetings of the Board of Studies concerned, the position of the above member shall be replaced by another member by the college authorities with immediate effect.
- 6 → The introduction of the category of elective ~~courses~~ in "practical" courses shall be removed.
- 7 → All practical courses shall be offered as core practicals only.
- 8 → The Elective courses (Theory) shall be offered in 3<sup>rd</sup> and 4<sup>th</sup> semesters. However the number of elective courses (Theory) shall be limited to a maximum of two each with choices.
- 9 → It is recommended that ~~one of the~~ members of the Chairperson of the U.G. Board of Studies in Physics shall be one of the members of the P.G. Board of Studies and vice-versa, including for the programmes in the self-financing mode.

10 → Eligibility for the admission <sup>write-up of the</sup> has to be included in the <sup>syllabus</sup>.

11 → The components of the CIA (Continuous Internal Assessment) for the students shall consist of separate marks for ~~the~~

1. Assignment

2. Seminal

3. Internal Test

Question paper

12 → It is recommended that for the 'd' section of the semester examinations shall consist of "either or" type questions. It is also recommended that a MCQs (Multiple choice questions) may be included in the semester examinations.

13 → It is recommended that there shall be 3 internal project reviews and the <sup>average</sup> marks of the best two presentations shall be taken as the internal marks to a maximum of 25.

14 → It has been resolved <sup>to</sup> allot 50 marks for the project report / Thesis and 25 marks for the project- Viva voce examination by ~~the~~ an external examiner, in consultation with the Project supervisor.

Notes

## Signature of the members :

1. Dr. S.H. Mohamed Ameen - N.H.Md. Ameen  
7-2-18
2. Dr. K. Ganesan - K. Ganesan  
07/02/18
3. Prof. D. Jegathi Jasmine - D. Jegathi Jasmine  
7/2/18
4. Miss. S. Karthiga Devi - S. Karthiga Devi  
7/2/18
5. Mrs. A. Zeenath Bazeera - A. Zeenath Bazeera  
07/02/18
6. Dr. V. Chinnathambi - V. Chinnathambi  
07/02/18
7. Dr. S.M. Abdul kader - S.M. Abdul kader  
07/02/18
8. Dr. R. Jothimani - R. Jothimani  
7/2/18
9. Mrs. A. ferin fathima - A. ferin fathima  
7/2/18
10. Miss. A. Ponchitra - A. Ponchitra  
07/02/18

N.H.Md. Ameen  
7-2-18

M. Kamalini  
7/2/18

DEAN OF SCIENCES

7/2/18  
PRINCIPAL

CHAIRMAN / CHAIRPERSON



# Sadakathullah Appa College

(Autonomous)

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Annexure - I

Department of Physics (PG)

The Board of Studies of Department of Physics (PG) was held on 07.02.2018 for the approval of 2018-2021 syllabus. The number of new courses, courses focussing on Skill Development / Employability / Entrepreneurship, the percentage of revision are mentioned below.

## New Courses introduced

S.No.	Title of the Course	Course Code
1	Nano Science	18PEPH1B
2	Numerical Methods	18PEPH2B
3	Non Linear Dynamics	18PEPH3A
4	Crystal Growth And Thin Films	18PEPH3B
5	Digital Electronics	18PIPH31
6	Research Methodology	18PCPH42

## Courses focused on Skill Development / Employability / Entrepreneurship

S.No.	Title of the Course	Course Code	Category
1.	General Physics Experiments – I	18PCPH1P1	Skill Development
2.	Advanced Electronics Experiments – I	18PCPH1P2	Skill Development
3.	General Physics Experiments – II	18PCPH2P1	Skill Development
4.	Advanced Electronics Experiments – II	18PCPH2P2	Skill Development
5.	Advanced Physics Experiments – I	18PCPH3P1	Skill Development
6.	Microprocessor Experiments	18PCPH3P2	Skill Development
7.	Research Methodology	18PCPH42	Skill Development
8.	Project	18PCPH43	Skill Development
9.	Advanced Physics Experiments – II	18PCPH4P1	Skill Development
10.	Numerical Methods and C++ Programming	18PCPH4P2	Skill Development
11.	Integrated Electronics	18PEPH1A	Employability
12.	Microprocessor and Microcontrollers	18PEPH2A	Employability
13.	Renewable Energy	18PIPH21	Entrepreneurship

## Percentage of Revision

S. No.	Courses		Percentage %
1.	Mathematical Physics - I	18PCPH11	5%
2.	Classical Mechanics and Relativity	18PCPH12	20%
3.	Molecular and resonance spectroscopy	18PCPH13	26%
4.	Integrated Electronics	18PEPH1A	20%
5.	Nano Science	18PEPH1B	100%
6.	General Physics Experiments – I	18PCPH1P1	25%
7.	Advanced Electronics Experiments – I	18PCPH1P2	25%
8.	Quantum Mechanics - I	18PCPH22	2%

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9.	Statistical Mechanics	18PCPH23	52%
10.	Numerical methods	18PEPH2B	100%
11.	General Physics Experiments – II	18PCPH2P1	25%
12.	Advanced Electronics Experiments – II	18PCPH2P2	25%
13.	Quantum Mechanics - II	18PCPH31	20%
14.	Electromagnetic theory	18PCPH32	2%
15.	Non Linear Dynamics	18PEPH3A	100%
16.	Crystal growth and thin films	18PEPH3B	100%
17.	Advanced Physics Experiments – I	18PCPH3P1	25%
18.	Microprocessor Experiments	18PCPH3P2	25%
19.	Solid state Physics	18PCPH41	20%
20.	Research Methodology	18PCPH42	100%
21.	Opto Electronics and Lasers	18PEPH4A	10%
22.	Advanced Physics Experiments – II	18PCPH4P1	25%
23.	Numerical methods and C++ Programming	18PCPH4P2	25%
24.	Renewable Energy	18PIPH21	20%
25.	Digital Electronics	18PIPH31	100%

Total Percentage of Revision: 33.23%

Total number of Courses: 30

  
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Annexure - I

Department of Physics (M. Phil)

The Board of Studies of Department of Physics (M. Phil) was held on 07.02.2018 for the approval of 2018-2021 syllabus. The number of new courses, courses focussing on Skill Development / Employability / Entrepreneurship, the percentage of revision are mentioned below.

### New Courses introduced

S. No.	Title of the Course	Course Code
1	Ultrasonic Studies	18MEPH1C
2	Non Linear Dynamics	18MEPH1D

### Courses focused on Skill Development /Employability / Entrepreneurship

S. No.	Title of the Course	Course Code	Category
1.	Research And Teaching Methodology	18MCPH11	Skill Development

### Percentage of Revision

S. No.	Courses	Course Code	Percentage %
1.	Research And Teaching Methodology	18MCPH11	50%
2.	Advanced Physics	18MCPH12	60%
3.	Crystal Growth Methods And Characterization Techniques	18MEPH1A	25%
4.	Nano Physics	18MEPH1B	35%
5.	Ultrasonic Studies	18MEPH1C	100%
6.	Non Linear Dynamics	18MEPH1D	100%

Total Percentage of Revision: 52.85%

Total number of Courses: 07

  
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