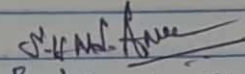
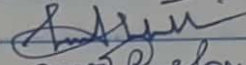
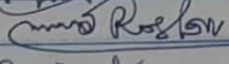
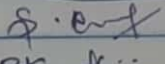
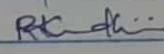
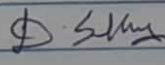
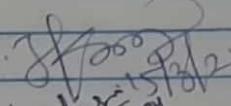
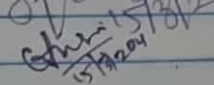


The board of studies meeting for Physics UG was held on 15-03-2021 at 10:30 a.m. following members were present

- (1) Dr. S.H. Mohamed Ameen 
- (2) Dr. S.M. Abdul Kader 
- (3) Dr. M. Mohamed Roshan 
- (4) Dr. S. Nazarath Begam 
- (5) Dr. R. Kumuthini 
- (6) Dr. D. Sathya 
- (7) Dr. S.S. Jayabalakrishnan S.S. 
- (8) Mr. P. Mohamed Yusuf Ansari 
- (9) Mrs. A. Zeenath Bazeera.

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Department of Physics




15.03.2021

The Board of Studies meeting of Department of Physics (UG) held on 15.03.2021 at the Auditorium (III) to discuss the following agenda.

Agenda:

- ❖ To discuss the Course structure and the Syllabus for various (Core, DSE, SEC, Allied & NME) courses of B.Sc – Physics program.
- ❖ To discuss PO , PSO and CO for the Under Graduate Physics Programme
- ❖ To discuss the Syllabus of theory and Practicals courses for Add on course
- ❖ To discuss the pattern of question papers & choice of paper setters.

Members Present:

- 1) Dr.S.H.Mohamed Ameen, Principal i/c & HOD of Physics- **Chairman**,
- 2) Dr.S.S.Jayabalakrishnan,Assistant Professor of Physics,
MannarThirumalai Naicker College (Autonomous)
Madurai - 625 004 **-Subject Expert**
-Meritorius Alumni
- 3) Mr.Yusuf Ansari
- 4) Dr. S.M. Abdul Kader, Dean of Sciences& Associate Professor
- 5) Dr. M. Mohamed Roshan, Assistant Professor 
- 6) Dr. Nazarath Begum, Assistant Professor 
- 7) Dr. R. Kumudhini, Assistant Professor
- 8) Dr. D. Sathya, Assistant Professor 
- 9) Ms. A Zeenath Bazeera, HOD of Physics (PG)

Based on the agenda the following resolutions were passed by the board and recommended for the Academic Council for further approval.

- ❖ Resolved to approve the Syllabus framed for B.Sc Physics, which is to be introduced from the academic year 2021-22. The changes made in the syllabus with respect to the previous one, is given in Annexure-I
- ❖ Resolved to approve to Programme Outcomes specified for the B.Sc Programme, Programme Specific Outcomes for the Physics (UG) Programme and Course Outcomes related to the various courses.
- ❖ Resolved to include the following courses, in the Add on course titled “Electrical and Electronic Instrumentation” which is to be introduced from the academic year 2021-22
 - 1) Fundamentals of Electrical and Electronic machines and measuring instruments
 - 2) Electrical appliances, Equipments installation and maintenance
 - 3) Practical in Electrical and Electronic Instrumentation.
 - 4) Project relevant to the course

J. H. M. A. Khan
19-02-2021

Head, Department of Physics

[Signature]

Dean of Sciences

[Signature]

Principal



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Annexure - I

Department of Physics (UG)

The Board of Studies of Department of Physics (UG) was held on 15.3.2021 for the approval of 2021-2024 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	Mechanics and Properties of matter	21UCPH11
2	Computational Physics	21UCPH41
3	Renewable Energy / Energy Harvesting	21USPH42B
4	Physics workshop Skills	21USPH42C
5	Geophysics	21UEPH51B
6	Recent trends in Physics	21UEPH51C
7	Particle and Astrophysics	21UEPH52C
8	Opto Electronics	21UEPH61B
9	Basic Instrumentation Skills	21USPH61B
10	Weather forecasting	21USPH61C

Courses focused on Skill Development / Employability / Entrepreneurship

S. No.	Title of the Course	Course Code	Category
1.	Physics Practical – I	21UCPH1P1	Skill Development
2.	Physics Practical – II	21UCPH2P1	Skill Development
3.	Physics Practical – III	21UCPH3P1	Skill Development
4.	Physics Practical – IV	21UCPH4P1	Skill Development
5.	Physics Practical V	21UCPH5P1	Skill Development
6.	Physics Practical VI	21UCPH5P2	Skill Development
7.	Physics Practical VII	21UCPH6P1	Skill Development
8.	Physics Practical VIII	21UCPH6P2	Skill Development
9.	Allied Physics Practical – I	21UAPH3P1	Skill Development
10.	Allied Physics Practical – II	21UAPH4P1	Skill Development
11.	Spectroscopy and Laser Physics	21UCPH22	Employability
12.	Electricity and Electromagnetism –	21UCPH31	Employability
13.	Laser Physics	21UNPH31	Employability
14.	Atomic and Nuclear Physics	21UCPH51	Employability
15.	Geo Physics	21UEPH51B	Employability
16.	Recent Trends in Physics	21UEPH51C	Employability
17.	Biomedical Instrumentation	21UEPH52A	Employability





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18.	Particle and Astrophysics	21UEPH52C	Employability
19.	Solid state Physics	21UCPH63	Employability
20.	Opto Electronics	21UEPH61B	Employability
21.	Project	21UEPH62	Entrepreneurship

Percentage of Revision

S. No.	Courses	Course Code	Percentage %
1.	Mechanics and Properties of matter	21UCPH11	81%
2	Optics and Acoustics	21UCPH12	50%
3.	Physics Practical – I	21UCPH1P1	10%
4.	Thermal Physics and Statistical Mechanics	21UCPH21	25%
5	Spectroscopy and laser physics	21UCPH22	30%
6	Physics Practical – II	21UCPH2P1	10%
7	Electricity and Electromagnetism	21UCPH31	60%
8	Physics Practical – III	21UCPH3P1	30%
9	Laser Physics	21UNPH31	50%
10	Computational Physics	21UCPH41	100%
11	Physics Practical – IV	21UCPH4P1	35%
12	Energy Physics	21USPH42-A	45%
13	Renewable energy / Energy Harvesting	21USPH42-B	100%
14	Physics Workshop Skills	21USPH42-C	100%
15	Applied Physics	21UNPH41	20%
16	Atomic and Nuclear Physics	21UCPH51	60%
17	Analog Electronics	21UCPH52	15%
18	Mathematical Methods	21UCPH53	100%
19.	Physics Practical V	21UCPH5P1	20%
20.	Physics Practical VI	21UCPH5P2	10%
21.	Nanomaterials and Applications	21UEPH51A	40%
22	Geophysics	21UEPH51B	100%
23	Recent trends in Physics	21UEPH51C	100%
24	Biomedical instrumentation	21UEPH52A	70%
25	Particle and Astrophysics	21UEPH52C	100%
26	Quantum Mechanics and Relativity	21UCPH61	40%





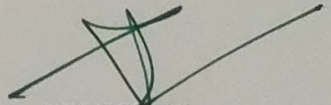
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27.	Digital Electronics	21UCPH62	15%
28.	Solid State Physics	21UCPH63	25%
29.	Physics Practical - VII	21UCPH6P1	20%
30.	Physics Practical – VIII	21UCPH6P2	10%
31.	Communication system	21UEPH61A	75%
32.	Opto Electronics	21UEPH61B	100%
33.	Radiation Safety	21USPH61A	10%
34.	Basic Instrumentation skills	21USPH61B	100%
35.	Weather forecasting	21USPH61C	100%
36.	Allied Physics – I	21UAPH31	47%
37.	Allied Physics – II	21UAPH41	65%

Total Percentage of Revision: 34.33%

Total number of Courses: 42


PRINCIPAL

