DEPARTMENT OF PHYSICS
HOLY CROSS COLLEGE (Autonomous), NAGERCOIL.
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli.)
Kanyakumari District, Tamil Nadu, India.

Minutes of the Board of Studies meeting of the department of Physics held on 20.1.2020 at 10.00 AM

Ref. No.PHY / BOS / 2019 – 2020 / XIV

Members of the Board of Studies

Chairperson: Dr. S. Mary Delphine,
Associate Professor and Head,
Department of Physics,
Holy Cross College (Autonomous),
Nagercoil

University Nominee: Dr. B. SundaraKannan,
Professor and Head,
Department of Physics,
ManonmaniumSundaranar University,
Tirunelveli

Subject Experts: 1. Dr.I. Hubert Joe,
Associate Professor,
Department of Physics,
Mar Ivanios College,
Thiruvananthapuram

2. Dr. G. Dheva Shantha Kumari,
Associate Professor,
Department of Physics,
Fatima College,
Madurai

Industrialist

Er. Arul Jerald Prakash,
Director,
Kerala Science and Technology Musuem and Priyadharshini Planetarium,
Thiruvananthapuram.

Alumni

Dr. S. Ajitha
Assistant Professor,
Department of Physics,
NanjilCatholic College of Arts and Science,
Kaliyakkavilai

Student Representatives:

J. Jenima
S. Jasvy

Department members

Dr. Sr. Gerardin Jayam
Dr. S. Mary Freeda
Dr. Thresiamma Chacko
Dr. Fernando Loretta
Dr. C. Nirmala Louis
Dr. V. Shally
Dr. M. Priya Dharshini
Dr. A. Lesly Fathima
Dr. R. Krishna Priya
Ms. M. Abila Jeba Queen
Dr. S. Sonia
Ms. P. Aji Udhaya

Agenda

1. Prayer
2. Welcome by the Chairperson
3. Reading of the minutes of the previous meeting and approval
4. Panel of examiners for UG, PG and M. Phil. Physics
5. Restructuring/Revision of curriculum for UG with PEOs, POs, PSOs and COs .
6. Revision of syllabus for UG Semester I and II
7. Restructuring/Revision of curriculum for PG with PEOs, POs, PSOs and COs .
8. Revision of syllabus for PG Semester I and II
9. Classification of New Courses
10. Classification of courses as Employability / Entrepreneurship / Skill Development
11. Classification of courses as Local / National / Regional / Global
12. Classification of courses as Crosscutting Issues Gender Equity / Environment and Sustainability / Human Values / Professional Ethics
13. Question Paper pattern for internal and external examinations
14. Recommendation of books and journals for UG and PG
15. Conduct of UG and PG practical exam during the odd and even semester
16. Conduct of seminars / workshops in collaborations with Government Agents /Universities / NGOs.
17. Suggestion for innovative teaching and evaluation techniques for UG and PG
18. Discussion on coordination of teaching, research, extension and other activities of the department
19. Feedback and action taken
20. Next meeting of BoS
21. Any other.

The meeting commenced with a prayer song after which the HOD introduced the Board members with warm words of welcome.

The following items in the Agenda were discussed by the members of the Board.

Item 01/BoS 20.01/03: Approval of the minutes of the previous meeting held on 1.2.2019

Dr. V.Shally read the minutes and was approved by the members.

Item 02/BoS 20.01/04: Panel of examiners for UG, PG and M. Phil. Physics

Names and contact details of the examiners were presented for approval and the members of the board also suggested some names of the Associate Professors as examiners for both UG and PG and it was approved by all the members. Recognized guides were suggested as M.Phil. examiners.

Item 03/BoS 20.01/05: Restructuring/Revision of curriculum for UG with PEOs, POs, PSOs and COs .

The BoS members approved the PEOs, POs, PSOs and COs with small corrections after discussion for the Papers in Semester I and Semester II for UG programme.

Programme Educational Objectives (PEOs)

PEOs	Upon completion of B.A/B.Sc. degree programme, the graduates will be able to	Mission addressed
PEO 1	apply appropriate theory and scientific knowledge to participate in activities that support humanity and economic development nationally and globally, developing as leaders in their fields of expertise.	M1& M2
PEO 2	inculcate practical knowledge for developing professional empowerment and entrepreneurship and societal services.	M2, M3, M4 & M5
PEO 3	pursue lifelong learning and continuous improvement of the knowledge and skills with the highest professional and ethical standards.	M3, M4, M5 & M6

Programme Outcomes (POs)

PO	Upon completion of B.Sc. Degree Programme, the graduates will be able to:
PO-1	Apply the acquired scientific knowledge to face day today needs.
PO-2	Create innovative ideas through laboratory experiments.
PO-3	Carryout fieldworks and projects independently and in collaboration with other institution.
PO-4	Reflect upon green initiatives and take responsible steps to build a sustainable environment.
PO-5	Face challenging competitive examinations that offer rewarding careers in science and education.
PO-6	Impart communicative skills and ethical values.
PO-7	Equip students with hands on training through various courses to enhance Entrepreneurship skills.

B.Sc. Physics Programme Specific Outcomes (PSOs)

PSO	Upon completion of B.Sc. Degree Programme, the graduates of Physics Will be able to:	PO
PSO-1	Understand the core theories and principles of physics which include mechanics, thermodynamics, electronics, material science etc.	PO-1
PSO-2	Develop extensive comprehension of fundamental and diverse applications of Physics.	PO-2
PSO-3	Apply knowledge of principles, concepts in Physics and analyze their local, National and global impact.	PO-3
PSO-4	Apply the critical reasoning and computing skills to analyze and solve Problems in physics.	PO-5
PSO-5	Analyze the observed experimental data and relate the results with Theoretical expectations.	PO-3
PSO-6	Communicate appropriately and effectively, in a scientific context using Present technology.	PO-1
PSO-7	Develop entrepreneurial skills, empowered according to the professional Requirement and become self-dependent.	PO-7
PSO-8	Understand the professional, ethical, legal, security, social issues and responsibilities.	PO-6

The curriculum was framed after analyzed the feedback from the stakeholders.

The overall structure of the curriculum framed in 2017 was accepted by the board with thefollowing modifications.

i. The core and Elective courses were changed.
ii. Instead of 4 Elective papers as theory papers, one of the elective papers was changed intoproject.
iii. The course name 'Skill based course' was changed to 'Skill Enhancement course'
iv. Mention the contact hours for Skill Enhancement course

Courses offered for the students of **B.Sc. Physics** are given in the following structure

Semester	Course	Subject code	Paper	Hours /week	Credit
I	Part I	TL2011/ FL2011	Language: Tamil/French	6	3
	Part II	GE2011 / GE2012	General English (A Stream / B Stream)	6	3
	Part III	PC2011	Major Core I - Mechanics	4	4
		PC20P1	Major Practical I - Physics Lab I	2	-
		AP2011	Allied I- Allied Physics I for Mathematics	4	4
		AP20P1	Allied Practical – General Physics Lab	2	-
		AEC201	Ability Enhancement Compulsory Course	2	2

			(AECC): English Communication		
	Part IV	PNM301	Non Major Elective Course (NMEC) Physics in Everyday Life I	4	2
		VEC203	Foundation Course I – Values for Life	-	-
		SDP303	Skill Development Programme(SDP) Certificate course	-	-
	Part V	STP304	Student Training Programme (STP) Clubs and Committees/Nss	-	-
II	Part I	TL2021/ FL2021	Language: Tamil/French	6	3
	Part II	GE2021 / GE2022	General English (A Stream / B Stream)	6	3
	Part III	PC2021	Major Core II – Properties of Matter and Sound	4	4
		PC20P1	Major Practical I - Physics Lab I	-	2
		PC20P2	Major Practical II - Physics Lab II	2	2
		AP2021/ AP2041	Allied II – Allied Physics II for Mathematics	4	4
		AP20P1	Allied Practical – General Physics Lab	2	2
	Part IV	AEC202	Ability Enhancement Compulsory Course (AECC): Environmental Studies	2	2
		PNM202	Non Major Elective Course (NMEC) – Physics for Every Day Life II	4	2
		VEC202	Foundation Course I – Values for Life	-	1
	Part V	SDP202	Skill Development Programme (SDP) –Certificate course	-	1
		STP204	Student Training Programme (STP) – Clubs andCommittees/NSS	-	-
III	Part I	TL2031/ FL2031	Language: Tamil/French	6	3
	Part II	GE2031/ GE2032	General English (A Stream / B Stream)	6	3
	Part III	PC2031	Major Core III – Heat and Thermodynamics	4	4
		PC2032 PC2033 PC2034	Major – Elective - I (a) Non Conventional Energy Sources/ (b) Fundamentals of Physics - I/ (c) Microprocessor Fundamentals	4	4
		PC20P3	Major Practical III - Physics Lab III	2	-
		AP2011/ AP2031	Allied I – Allied Physics I for Chemistry	4	4
		AP20P1	Allied Practical – General Physics Lab	2	-
	Part IV	SBC203/ SBC204	Skill Based Course (SBC) – Yoga / ComputerLiteracy	2	2
		VEC204	Foundation Course II – Personality Development	-	-
		STP204	Student Training Programme (STP) – Clubs and Committees/NSS	-	-

	Part V	SLP203	Service Learning Programme (SLP):Extension Activity (RUN)	-	1
IV	Part I	TL2041/ FL2041	Language: Tamil/French	6	3
	Part II	GE2041 / GE2042	General English (A Stream / B Stream)	6	3
	Part III	PC2041	Major Core IV – Optics and Spectroscopy	4	4
		PC2042 PC2043 PC2044	Major – Elective - III (a)Computer Programming in C++/ (b) Medical Physics/ (c) Optoelectronics	5	4
		PC20P3	Major Practical III - Physics Lab III	-	2
		PC20P4	Major Practical IV - Physics Lab IV	2	2
		AP2021/ AP2041	Allied II – Allied Physics II for Chemistry	4	4
		AP20P1	Allied Practical – General Physics Lab	2	2
	Part IV	SBC203/ SBC204	Skill Based Course (SBC) – Yoga / ComputerLiteracy	2	2
		VEC204	Foundation Course II – Personality Development	-	1
	Part V	STP204	Student Training Programme (STP) - Clubs and Committees/NSS	-	1
V	Part III	PC2051	Major Core V – Classical and Statistical Mechanics	6	5
		PC2052	Major Core VI - Analog Electronics	6	5
		PC2053	Major Core VII - Solid State Physics	5	5
		PC20PR	Project	5	4
		PC20P5	Major Practical V - Physics Lab V	4	-
		PC20P6	Major Practical VI - Physics Lab VI	2	-
	Part IV	PSK205	Skill Based Course (*SBC) – Basic Electrical circuits and Instruments	2	2
		HRE205	Foundation Course III - Human Rights Education (HRE)	-	1
VI	Part III	PC2061	Major Core VIII – Relativity and Quantum Mechanics	6	5
		PC2062	Major Core IX – Digital and Communication Electronics	6	5
		PC2063	Major Core X - Nuclear Physics	5	5
		PC2064 PC2065 PC2066	Major – Elective – II (a) Mathematical Physics (b) Nanophysics (c) Astrophysics	4	4
		PC20P5	Major Practical V - Physics Lab V	-	2
		PC20P6	Major Practical VI - Physics Lab VI	2	2
		PC20P7	Major Practical VII - Physics Lab VII	4	2
	Part IV	PSK206	Skill Based Course (*SBC) – Project	2	2
		WSC206	Foundation Course IV - Women's Studies (WS)	-	1
			TOTAL	180	143

Item 04/BoS 20.01/06: Revision of syllabus for UG Semester I and II

The following courses during the I and II semesters are revised/ modified based on TANSCHEsyllabus and also from the student's feedback

i. SEM I Major core paper 'Mechanics and Properties of matter' in the previous course structure is split up into 'Mechanics' and 'Properties of matter and sound' as core I and core II respectively based on the feedback received from the students.

ii. Modified allied paper title as 'Allied Physics I for Mathematics' and 'Allied Physics II for Mathematics' for SEM I and II respectively.

Item 05/BoS 20.01/07: Restructuring/Revision of curriculum for PG with PEOs, POs, PSOs and COs.

The BoS members approved the PEOs, POs, PSOs and COs after discussion for the Papersin Semester I and Semester II for PG programme.

M.Sc. Programme Outcomes(POs)

PO	Upon completion of M.Sc. Degree Programme, the graduates will be able to:
PO-1	Recognize the scientific facts behind natural phenomena.
PO-2	Relate the theory and practical knowledge to solve the problems of the society.
PO-3	Prepare successful professionals in industry, government, academia, research, Entrepreneurial pursuits and consulting firms.
PO-4	Face and succeed in high level competitive examinations like NET,GATE and TOFEL.
PO-5	Carryout internship programme and research projects to develop scientific skills and Innovative ideas.
PO-6	Utilize the obtained scientific knowledge to create eco-friendly environment.
PO-7	Prepare expressive, ethical and responsible citizens with proven expertise.

M.Sc. Physics Programme Specific Outcomes (PSOs)

PSO	Upon completion of M.Sc. Degree Programme, the graduates of Physics will be able to :	PO
PSO-1	Have well-defined knowledge on theoretical concepts and experimental methods of advanced physics (Classical mechanics, Mathematical physics, Quantum Mechanics, Solid state Physics, Molecular Spectroscopy, Integrated electronics, Astrophysics, Nanophysics, Microprocessor etc.).	PO-1
PSO-2	Acquire skills in performing advanced physics experiments and projects using modern technology and numerical simulations.	PO-2
PSO-3	Develop and communicate analytical skills ranging from nuclear to cosmology to progress in the expanding frontiers of physics.	PO-3
PSO-4	Apply and interpret physics principles in various physical observations.	PO-2

PSO-5	Use the techniques, skills, and modern technology necessary to communicate effectively with professional and ethical responsibility.	PO-5
PSO-6	Demonstrate proficiency in analyzing, applying and solving scientific problems.	PO-4
PSO-7	Understand the impact of Physics in a global, economic, environmental, and societal context.	PO-7

Courses offered for the students of **M.Sc. Physics** are given in the following structure

Semester	Subject code	Title of the paper	Hours/week	Credits
I	PP2011	Core I – Classical Mechanics	6	4
	PP2012	Core II - Mathematical Physics	6	4
	PP2013	Core III – Quantum Mechanics-I	6	4
	PP2014 PP2015 PP2016	Elective I – (a) Advanced Nuclear Physics (b) Molecular Physics (c) Numerical methods	6	5
	PP20P1	Practical I - Advanced Physics Lab – I (General Physics)	6	-
II	PP2021	Core IV – Electromagnetic Theory	6	4
	PP2022	Core V - Quantum Mechanics-II	6	4
	PP2023	Core VI – Condensed MatterPhysics-I	6	4
	PP2024 PP2025 PP2026	Elective II – (a) Experimental design (b)Introductory Astronomy, Astrophysics & Cosmology (c) Laser Physics	6	5
	PP20P1	Practical I - Advanced Physics Lab – I (General Physics)	-	5
	PP20P2	Practical II - Advanced Physics Lab – II (Programming with C++)	6	5
	LST202	Life Skill Training (LST) – I	-	1
III	PP2031	Core VII - Thermodynamics and Statistical Mechanics	6	4
	PP2032	Core VIII – Electronics	6	4
	PP2033	Core IX – Condensed MatterPhysics-II	6	4
	PP2034 PP2035 PP2036	Elective III – (a) Biophysics (b) Microprocessor and Microcontroller (c) Solar Energy Utilization	6	5
	PP20P3	Practical III- Advanced Physics Lab – III (Electronics)	4	-

IV	PP2041	Core X - Nuclear and Elementary Particle Physics	6	4
	PP2042	Core XI - Spectroscopy	6	4
	PP2043	Project	8	4
	PP2044 PP2045 PP2046	Elective IV – (a)MaterialsPhysics and Processing Techniques (b) Nanophysics (c) X-ray Crystallography	6	5
	PP20P5	Practical III- Advanced Physics Lab – III (Electronics)	-	4
	PP20P6	Practical IV – Advanced Physics Lab – IV (Microprocessor andMicro Controller)	6	5
	LST204	Life Skill Training (LST) – II	-	1
	STP201	Summer Training Programme	-	1
		TOTAL	**120**	**90**

Item 06/BoS 20.01/08: Revision of syllabus for PG Semester I and II

The overall structure of the curriculum framed in 2017 was accepted by the board with thefollowing modifications.

i. The core and Elective courses were changed.

ii. Individual project was suggested by the board members instead of group project for IIM.Sc. students

iii. M.Sc. students can attend a seminar/ conferences

Item 07/BoS 20.01/09: Classification of New Courses

Programme	Course Code	Course Title
UG	PC2011	Major CoreI -Mechanics
	AP2011	Allied I- Allied Physics I for Mathematics
	PNM201	Non Major Elective-Physics in Everyday Life I
	PC2021	Major CoreII –Properties ofMatter and Sound
	AP2021	Allied II-Allied Physics II for Mathematics
	PNM202	Non Major Elective-Physics in Everyday Life II
	PC20P1	Major Practical I-Physics Lab I

	AP20P1	Allied Practical- General Physics Lab
PG	PP2011	Core I – Classical Mechanics
	PP2012	Core II – Mathematical Physics
	PP2013	Core III – Quantum Mechanics-I
	PP2014	Elective I Advanced Nuclear Physics
	PP2016	Numerical methods
	PP2021	Core IV – Electro Magnetic Theory
	PP2022	Core V - Quantum Mechanics-II
	PP2023	Core VI – Condensed Matter Physics-I
	PP2024	Elective II Experimental design
	PP2025	Introductory Astronomy, Astrophysics & Cosmology
	PP2026	Laser Physics
	PP20P1	Practical-I Advanced Physics Lab –I (General Physics)
	PP20P2	Practical-II Advanced Physics Lab –II (Programming with C++)

Item 08/BoS 20.01/10: Classification of courses as Employability / Entrepreneurship / Skill Development

UG

Course Code	Course Title	Skill development	Employability	Entrepreneurship
PC2011	Major Core I - Mechanics	✓		✓
PC20P1	Major Practical I - Physics Lab I	✓	✓	
AP2011	Allied I- Allied Physics I for Mathematics	✓	✓	
AP20P1	Allied Practical – General Physics Lab	✓		
PNM201	Non Major Elective Course (NMEC) – Physics in Everyday Life I	✓		✓
PC2021	Major Core II –Properties of Matter and Sound	✓		✓

PC20P1	Major Practical I - Physics Lab I	✓	✓	
PC20P2	Major Practical II - Physics Lab II	✓		
AP2021 / AP2041	Allied II – Allied Physics II for Mathematics	✓		✓
AP20P1	Allied Practical – General Physics Lab	✓		
PNM202	Non Major Elective Course (NMEC) – Physics for Every Day Life II	✓		

PG

Course Code	Course Title	Skill development	Entrepreneurship
PP2011	Core I – Classical Mechanics	✓	✓
PP2012	Core II - Mathematical Physics Methods	✓	✓
PP2013	Core III – Quantum Mechanics-I	✓	✓
PP2014 PP2015 PP2016	Elective I (a) Advanced Nuclear Physics (b) Molecular Physics (c) Numerical methods	✓	
PP2021	Core IV – Electromagnetic Theory	✓	
PP2022	Core V - Quantum Mechanics-II	✓	✓
PP2023	Core VI – Condensed Matter Physics-I	✓	✓
PP2024 PP2025 PP2026	Elective II (a) Experimental design (b)Introductory Astronomy, Astrophysics & Cosmology (c) Laser Physics	✓	
PP20P1	Practical I - Advanced Physics Lab – I (General Physics)	✓	✓

PP20P2	Practical II - Advanced Physics Lab – II (Programming with C++)	✓	✓

Item 09/BoS 20.01/11: Classification of courses as Local / National / Regional / Global
The members of the Board classified the UG and PG courses in the new structure based on as local / regional / national / global relevance.

UG

Sl.No	Course Code	Semester	Course Title	Local	Global
1.	PC2011	I	Major Core I - Mechanics		✓
2.	PC20P1	I	Major Practical I - Physics Lab I	✓	
3.	AP2011	I	Allied I- Allied Physics I for Mathematics	✓	
4.	AP20P1	I	Allied Practical – General Physics Lab	✓	
5.	PNM201	I	Non Major Elective Course (NMEC) – Physics in Everyday Life I		✓
6.	PC2021	II	Major Core II –Properties of Matter and Sound		✓
7.	PC20P1	II	Major Practical I - Physics Lab I	✓	
8.	PC20P2	II	Major Practical II - Physics Lab II		✓
9.	AP2021/ AP2041	II	Allied II – Allied Physics II for Mathematics		✓
10.	AP20P1	II	Allied Practical – General Physics Lab		✓
11.	AEC202	II	Ability Enhancement Compulsory Course (AECC): Environmental Studies		
12.	PNM202	II	Non Major Elective Course (NMEC)– Physics for Every Day Life II		✓

PG

Sl.No	Course Code	Semester	Course Title	National	Global
1.	PP2011	I	Core I – Classical Mechanics	✓	
2.	PP2012	I	Core II - Mathematical PhysicsMethods	✓	

3.	PP2013	I	Core III – Quantum Mechanics-I	✓	
4.	PP2014 PP2015 PP2016	I	Elective I (a) Advanced Nuclear Physics (b) Molecular Physics (c) Numerical methods		✓
5.	PP2021	II	Core IV – Electromagnetic Theory		✓
6.	PP2022	II	Core V - Quantum Mechanics-II	✓	
7.	PP2023	II	Core VI – Condensed Matter Physics-I	✓	
8.	PP2024 PP2025 PP2026	II	Elective II (a) Experimental design (b)Introductory Astronomy, Astrophysics & Cosmology (c) Laser Physics		✓
9.	PP20P1	II	Practical I - Advanced Physics Lab – I (General Physics)	✓	
10.	PP20P2	II	Practical II - Advanced Physics Lab – II (Programming with C++)	✓	

Item 10/BoS 20.01/12: Classification of courses as Crosscutting Issues Gender Equity / Environment and Sustainability / Human Values / Professional Ethics

Paper Code	Paper Title	Environment and Sustainability	Human Values
AEC202	Ability Enhancement Compulsory Course (AECC): Environmental Studies	✓	
LST202	Life Skill Training (LST) – I		✓

Item 11/BoS 20.01/13: Question Paper pattern for internal and external examinations

Internal: External 30:70

Question paper pattern for External

Part A- 10x1=10 marks (Objective type)

Part B- 5x 4=20 marks (Internal Choice) – One question should be of application type and another will be of analysis type. The internal choices should be of same type.

Part C- 5x8=40 (Internal Choice) – One question should be of application type (Problem solving)

Total – 70 marks

The question pattern is not applicable for the following papers:

i. AECC -English Communication

ii. AECC -Environmental Studies

iii. NMEC(Non Major Elective Course)-Physics for Every Day Life II

Question paper pattern for CIA (including test, assignment, Quiz, any other mode of CIA)

Test	- 15 marks
Class test (3)	- 6 marks
Quiz (2)	- 4 marks
Open book test/ /	
Book, article review/ Role- play/	
Seminar/home assignment	
Group Discussion/ Problem solving	- 5 marks
Total	**- 30 marks**

M.Sc. Physics (core, elective) forinternal and external examinations

Internal: External 40:60

Question paper pattern for External

Part A- 10x1=10 marks (Objective type)

Part B- 5x 3=15 marks (Internal Choice) – One question should be of application type and another will be of analysis type. The internal choices should be of same type.

Part C- 5x7=35 (Internal Choice) – One question should be of application type and another will be of analysis type

Total – 60 marks

Question paper pattern for CIA (including test, assignment, Quiz, any other mode of CIA)Test - 20 marks

Seminar - 4marks

Class test (2) - 4marks

Quiz(2) - 4marks

Open book test/Problem solving/

Book, article review/ Group Discussion-

4marksOnline home assignment -

4marks

Total - 40 marks

Item 12/BoS 20.01/14: Recommendation of books and journals for UG and PG

The BoS members recommended the following books based on the modified/ revised syllabus for

B.Sc. Physics

1. Mechanics - Kleppner and Kolenkow

M.Sc. Physics

i. Mathematical Physics – H.K.Dhas
ii. Numerical methods – Jain and Iyengar
iii. Quantum Mechanics – Zetly
iv. EMT – Ramanadhan
v. Group Theory – Albert cotton

The board members suggested to subscribe Current Science journal for the department.

- Text book published by the faculty of department of Physics was recommended for NMEC.
- Lab Manuals published by the faculty of department of Physics were recommended for Major practical's.
- Least count values should not be mentioned in the lab manual for typical instruments used in the lab

Item 13/ BoS 20.01/15: Conduct of UG/PG practical exam during the even semester

From the feedback of the stakeholders, it is suggested by the Board of studies members to retain the existing pattern/ followed from 2007 onwards. i.e. will conduct practical examination in the even semester.

Item 14/BoS 20.01/16: Conduct of seminars / workshops in collaborations with Government Agents / Universities / NGOs.

Apply for seminar grant from UGC/DST/CSIR/TNSCST/TANSCHE

Item 15/BoS 20.01/17: Suggestion for innovative teaching and evaluation techniques for UG and PG

i. Apply for internship in MHRD portal
ii. Form student's club
iii. Frame department calendar

Item 16/BoS 20.01/18: Discussion on coordination of teaching, research, extension and other activities of the department

The board members highly appreciated the department of Physics for organizing NGPE exam.

Item 17/BoS 20.01/19:Feedback and action taken

Department	Stake holders	Feedback received	Action Taken
B.Sc.	Students	Modify the mechanics and properties of matter syllabus	Syllabus was revised.
	Parents	Value added courses can include.	Value added courses were offered.
	Teachers	Include more practical's in Physics Lab-I.	The changes were executed.
	Alumni	Add sonometer experiment in Physics Lab-II.	Two practical's were added.
M.Sc.	Students	Condensed matter physics syllabus was heavy.	Reduced
	Parents	Summer Internship can include.	Value added courses and internship were offered.
	Teachers	Modify C++ practicals.	The same was modified.
	Alumni	Include more experiments.	Included in the syllabus

Item 18/BoS 20.01/20: Next Meeting of the BoS

The members of the board suggested to have the next meeting of BoS in 2nd week of August, 2020.

The meeting ended with vote of thanks by the HoD, the Chairperson of the BoS at 2.15 pm.

The following suggestions were given by the student representatives

- Major core paper 'Mechanics and Properties of matter' can be separated into 'Mechanics' and 'Properties of matter and sound' as separate core courses.
- Allied paper can be modified into two different courses for maths and chemistry respectively.
- PG core project can be individual one.

Jenima

Jasvy

SI.No	Name of the members	Designation	Signature
1.	Dr. B. SundaraKannan	Professor and Head	
2.	Dr.I. Hubert Joe	Associate Professor	
3.	Dr.G.DhevaShanthaKumari	Associate Professor	Absent
4.	Er. Arul Jerald Prakash,	Director, Kerala Science and Technology Musuem and Priyadharshini Planetarium	
5.	Dr. Sr. GerardinJayam	M.Phil Coordinator	
6.	Dr. S. Mary Delphine	Associate Professor	
7.	Dr. S. Ajitha	Assistant Professor	
8.	Dr. S. Mary Freeda	Associate Professor	
9.	Dr. Fernando Loretta	Associate Professor	
10.	Dr. ThresiammaChacko	Associate Professor	
11.	Dr. C. Nirmala Louis	Assistant Professor	
12.	Dr. V. Shally	Assistant Professor	
13.	Dr. M. PriyaDharshini	Assistant Professor	
14.	Dr. A. LeslyFathima	Assistant Professor	
15.	Dr. R. Krishna Priya	Assistant Professor	
16.	Ms. M. AbilaJeba Queen	Assistant Professor	
17.	Dr. S. Sonia	Assistant Professor	
18.	Ms. P. AjiUdhaya	Assistant Professor	