Board of Studies - PG Phyrics - meeting 25, 2.2015.
25 2 . 2015
Agenda: To obscurs the syllabors fort M.sc Physics to be followed from the acedenic year 2015-2016 Onwards
To discuss the entlabus too Misc Physics
to be followed from the acedenic year 2015-2016
Onwards
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1-Putk Paki Alamand
2. Dr. S.H. Mohamed Ameen 3PM
3 Purps. M. Abdul Kader
4. A. Zeenath Boreira A. Linhon
5. A. Ferin Faltima _ fein fathim t
6. M. Sharmila
7. A. Ponchitra Donation
8. Profis, Subjamariam S. Sulnawa
9. Prof. P. Elizabeth Jeya Rari _ P Einghelt Seymone
10. S.P. Sheik Abdul Kader - S.P. 8hole
SWI JUNE 1
TOTAL CAT HE SELECTION OF THE SELECTION
Resolutions passed: - It is resolved to introduce the new
Courses and revise the syllabus as mentioned in the Annexure.  1. In Cose paper 1 (C1) - Classical Mechanics and  * Relativity - Bertrand's Theorem is deleted in Unit II.
I. In Core paper 1 (C1) - Classical Mechanics and
* Relativity - Bertrand's Theorem is deleted in Unit I.
2. Sub headings of the Units should be specified.
3. In core paper 3 (C3) - Electronic Devices - 4. fabrication of MESFET is added in unit I.
* fabrication of MESFET is added in unit I.
* Heading of unit iv is modified as Advanced Electronic Devices.
The survey of th
4. In core pape 4 (C4) - Material seience -
* Title of unit W may be changed as Nano Materials
4. In Core pape 4 (C4) - Material Seience -  * Title of Unit W may be Changed as Naro Materials  instead of optical and Naro materials.  * CNT, Quantum wise, Quantum well, Quantum dot,
CNT, Quantum wine, Quantum wen, Quantum dol,

portion regular fill substant time.
A STATE OF THE STA
Quantum Confinement, Synthesis of Nano materials by physical and chemical methods are encluded in Unit iv.
by physical and chemical methods are included
The sale Winter Workshop all and Javalle &
* Nano Essentials - Pradeep may be encluded as a
* Nano Essentials - Pradeep may be encluded as a fext book.
E IncP1 + Practical I  O Spectrophotometer - absorption spectrum studies / Verification of Beer Lambert's Law  O Particle size determination wing He-Ne Laser  are included.
6 Incp1 the Practical I
O Spectro photometre _ absorption spectrum studies/
Verification of Beer Lambert's Law
De Particle size determination Wing He-Ne Laser
are included.
Application of Tensor - Hooke's Law is included in unit iv
- Application of Tensor - Hooke's Law is included in
unit jv
(9) In Core pape 6/ C6) - Quantum mechanics I - * Hydrogen atom may be included in Unit I
* Hydroger atom may be included in Unit I
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* clebsch - Grondan Coefficients J = /2 , 1 = /2 and
* clebsch - Grondan Coefficients j, = /2, j2 = /2 and
* In Unit V Spin angular momentum - 1 2 system - 2 & system may be included.
2 e system may be included.
The Mark 3 (32) February Production
(8) Core paper 8 (C8) - Microprocessor and Microcontroller
12 15 15 15 15 15 15 15 15 15 15 15 15 15
* The heading of unit is is modified as Instruction set and Assembly Language programming.
Set and Assembly Language programming.
* In unit IV - Intel 82/2 Generation of I/o posts
to be specified.

* Microprocessor - 13. Ram must be included ins a text book.
Y In Experiment No. 10 - Counters 2 to 10 -  Mod 2, mod 3, mod 4 mod 10 are to be  specified.  JANSENDER DOMESTIC TO MADO PORMANISTIC TO MADE TO MADO
© Cose Paper 10, (C10) - Quantum Mechanics II  **Adiabatic and Sudden approximation are included in Unit it.
1 Core Paper II, (CII) - Spectroscopy
* In unit V, Experimental techniques in mossbauer spectroscopy and its application may be included.  (2) Core paper 12, (C12) - Solid State Physics
(2) Core paper 12, (C12) -Solid state Phyrics  * Title of Unit ii is modified as Crystal Vibrations  (3) Core paper 13, (C13) - Nuclear and Particle size Physics.  * In Unit IV, Thermal and Power reactors are
to be deleted.
# Each project group may have a maximum of a students.  * minimum number of pages should be 50
(15) E(M)-1 - Opto Electronics and Lasers.  ** Sub headings may be included in unit I

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In CPH - Practical 4 - Programmeng  * Fither Microprocessor or computer Programming  may be asked in practical Examination	
may be asked in practical Examination	
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## Sadakathullah Appa College

(Autonomous)

(Re-Accredited with 'A' Grade By NAAC\*ISO 9001 : 2008 Certified)

Annexure - I Department of Physics (PG)

The Board of Studies of Department of Physics (PG) was held on 25.2.2015 for the approval of 2015-2018 syllabus. The number of new courses, courses focusing on Skill Development / Employability / Entrepreneurship, the percentage of revision are mentioned below.

New Courses introduced - NIL

Courses focused on Skill Development /Employability / Entrepreneurship

S.No.	Title of the Course	Course Code	Category
1.	Practical – I	15PPHC2P1	Skill Development
2.	Practical – II	15PPHC2P2	Skill Development
3.	Practical – III	15PPHC4P1	Skill Development
4.	Project	15PPHP41	Skill Development
5.	Practical – IV	15PPHC4P2	Skill Development
6.	Electronic Devices	15PPHC13	Employability
7.	Microprocessor and Microcontrollers	15PPHC24	Employability
8.	Communication Electronics	15PPHE1B	Employability
9.	Renewable Energy Sources	15PPHN31	Entrepreneurship

## Percentage of Revision

S.No.	Courses	Course Code	Percentage %
1.	Mathematical Physics - I	15PPHC12	1.5%
2.	Electronic Devices	15PPHC13	4%
3.	Mathematical Physics - II	15PPHC21	7%
4	Quantum mechanics - I	15PPHC22	40%
5.	Statistical Mechanics	15PPHC23	12%
6	Quantum Mechanics - II	15PPHC32	60%
7	Spectroscopy	15PPHC33	5%

Total Percentage of Revision: 6.16%

Total number of Courses: 21

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