

VIKRAMA SIMHAPURI UNIVERSITY COLLEGE, KAVALI  
KAVALI - 524 201. A.P., INDIA

**Dr. N.O.GOPAL**  
Head  
Department of Physics



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Date: 17-11-2022

To  
The Registrar  
Vikrama Simhapuri University  
KAKUTURU  
NELLORE – 524 320.

Sir,

Sub: Submission of revised syllabus (NEP based), model papers, Course Structure, Program Out Comes and Course Out Comes for I, II, III & IV Semesters of M.Sc., Physics (CBCS) and Pre-Ph.D. syllabus for Research Methodology- Reg.

Ref: No: VSU/ CDC/Academic/ PG-BOS/Physics/Meeting 2022-23 dated 02-11-2022

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With the reference cited, online BOS (PG Physics) meeting has been conducted through Google meet (<https://meet.google.com/qot-kcdq-qgw>) on 17.11.2022 at 6:00PM with all the members present in there. Appropriate modifications to be incorporator in the prescribed syllabus and the model question papers have been discussed thoroughly and finally resolved to approve the syllabus.

I herewith enclose the approved syllabus to be with effect from 2022-23

Also, I enclose the resolution of the BOS meeting for your perusal and further action.

Thanking you,

Yours sincerely

(N.O.GOPAL)  
Head

Department of Physics  
V.S. UNIVERSITY COLLEGE  
KAVALI-524 201.

**VIKRAMA SIMHAPURI UNIVERSITY :: NELLORE**

**AGENDA**

The members of the Board of Studies in Physics (PG) met through Google meet (<https://meet.google.com/qot-kcdq-qgw>) on 17.11.2022 at 6:00 PM,

1. To review the NEP based Syllabus for I & II years (I, II, III & IV Semesters), which will be in effect from the academic year 2022-23
2. To suggest any deletions/additions.
3. Program Out Comes and Course Out Comes
4. Academic Regulations.
5. Model question papers.
6. Scheme of Examinations
7. List of Panel of Examiners.
8. Course Structure.
9. Any other item.

**MEMBERS**

**SIGNATURES**

1. Prof. Ch. Ramu (Chairman)

*Ch. Ramu*  
17-11-22

2. Dr. N.O. Gopal (HOD, Internal)

*N.O. Gopal*  
17/11/22

3. Prof. R.P. Vijayalakshmi (External)

*R.P. Vijayalakshmi*

4. Dr. A. Sivasankar Reddy (Internal)

*A. Sivasankar Reddy*  
17/11/2022

5. Dr. T. Srinivas Reddy (Industry)

*T. Srinivas Reddy*

6. Miss. N. Kavya (Student)

*N. Kavya*

7. Miss. V. Havila (Student)

*V. Havila.*

**VIKRAMA SIMHAPURI UNIVERSITY :: NELLORE**

**Minutes of the meeting of the committee, Board of Studies in Physics (PG)  
held on 17-11-2022**

The members of the Board of Studies in Physics (PG) met at **6.00 pm** on **17-11-2022**, through Google meet (<https://meet.google.com/qot-kcdq-qgw>), discussed thoroughly the revision of NEP based **M.Sc. Physics Syllabus** and Resolved.

1. To revise the syllabus according to New Education Policy (NEP) the extent possible so as to cater the need of competitive examinations like GATE/NET/SET and adopt the revised syllabus from 2022-23 batches onwards (w.e.f. the academic year 2022-23). About 40% of the syllabus has been revised by adding new courses and modifying the existing courses.
  - a. To include new papers  
PHY 103(b) : Sensors and Transducers.  
PHY 104(b) : Optical, Microwave and Satellite Communications.  
PHY 107 : Cyber Security Program.  
PHY 203(b) : Solar Energy-Thermal and Photovoltaic Properties.  
PHY 204(b) : Introduction to VLSI design.  
PHY303(b) : Photonics - I.  
PHY304(b) : Condensed Matter Physics.  
PHY307 : Physics in Everyday Life.  
PHY403(b) : Photonics - II  
PHY404(b) : Physics of Advanced Materials  
PHY407 : Introduction to Nanomaterials
2. To revise the Pre-Ph.D. syllabus for Research Methodology paper by including Importance of research, moral issues in research and plagiarism.
3. Resolved to implement the revised syllabus for M.Sc. Physics at VSU College Kavali and other affiliated colleges w.e.f. 2022-23.
4. Implement the common paper Cyber Security Program and other aspects as is uniform to all the departments under CBCS and request to include the same in the syllabus copy of each subject.
5. To request the Controller of Examinations to send the model question papers (with 4 short questions out of 8 questions and 4 main questions with internal choice in Part A and Part B respectively) to the Paper Setters along with the syllabus.
6. Not to reduce the syllabus and to revise about 40% of the syllabus.
7. To include Program Outcomes (PO's), Course Outcomes (CO's), Mapping CO's to PO's, Course Structure, Model question papers and Scheme of Examination in the Program Structure.

8. To offer internal and external electives as mentioned in the course structure.

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