

Department of Physics

Syllabus w.e.f. 2022 – 2023 CBCS System



**Dr. V. S. KRISHNA GOVT. DEGREE COLLEGE (A),
VISAKHAPATNAM**



Dr.V.S.KRISHNA GOVT. DEGREE COLLEGE

(An Autonomous Institution Affiliated to Andhra University)

Reaccredited by NAAC with 'A' Grade(3rd Cycle)

District Resource Centre & Center for Research Studies
Maddilapalem, VISAKHAPATNAM 530 013, Andhra Pradesh



Department of Physics

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DEPARTMENT OF PHYSICS

BOARD OF STUDIES (BoS) RESOLUTIONS FOR A.Y. 2022 – 2023
(MINUTES OF THE MEETING)

The Board of Studies of the Department of Physics met on **28.09.2022 at 10.00AM** under the Chairmanship of Dr. CVSS Sastry and resolved the following:

- 1) To adopt Revised Choice Based Credit System (CBCS) as per the Staff Councils proceedings commencing from the academic year 2022 – 2023 for Semester I, II, III, IV, V and VI of B.Sc. Students.
- 2) To approve and introduce the newly framed syllabus (modified and approved by the BoS) for Semester I, II, III, IV, V and VI courses in Physics. The newly framed syllabus is oriented in such a fashion that it caters to the needs of the students and to meet the present-day job employability and to develop professionalism in the field of Physics.
- 3) To ratify and introduce the semester mode pattern of examinations for Semester I, II, III, IV, V and VI students (M.P.C., M.P.Cs, PHY-HONS and CHEM-HONS groups). Further it is approved and ratified syllabus, blue print and the model question papers submitted by the concerned faculty members for Semester I, II, III, IV, V and VI.
- 4) To approve and ratify value-added certificate course for the academic year 2022 – 2023.
- 5) To approve and ratify new employable and skill-based programs from 2022 – 2023. To adopt NAAC norms by introducing quality circles among student community.
- 6) To approve and ratify life skill courses (LSCs), skill development courses (SDCs) for the 1st and 2nd year students (B.A., B.Com. and B.Sc.) and Physics minors for Chem. (Hons.).
- 7) To approve and ratify Community Services Project (CSP) at end of II and IV semester for 2022 – 2023.
- 8) To approve and ratify question paper blue print, model question papers for 75 external marks and 25 internal marks for core courses.

- 9) To approve and ratify blue print and the model question papers for 50 external marks for life skill courses (LSCs) and skill development courses (SDCs).
- 10) To approve and ratify blue print and the model question papers for 75 external marks and 25 internal marks for skill Enhancement courses (SECs).
- 11) To approve and ratify list of examiners.
- 12) To approve suggestions for innovative teaching, learning and evaluation techniques.
- 13) To approve suggestions for students' seminars, workshops and student-centered activities.
- 14) To approve suggestions for research and extension activities or start-up.
- 15) To encourage students to take up independent research projects at their level by providing facilities.
- 16) To adopt NAAC norms by introducing quality circles among student communities.
- 17) To develop infrastructure facilities in the department and implement guidelines of the academic council.
- 18) To take up ICT mode of teaching and evolve techniques that are easily understanding by the students and conduct remedial coaching to the below average students.
- 19) To encourage students to join JKC to equip with communication skills and improve their personality development.
- 20) To encourage students to participate in the community development activities such as Haritha Krishna Eco Club, NCC and NSS.

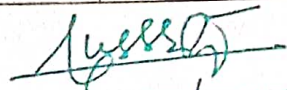
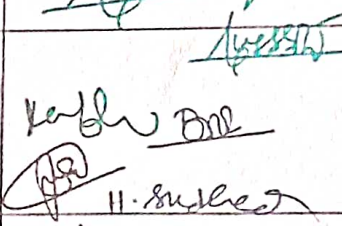
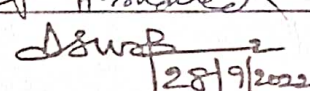
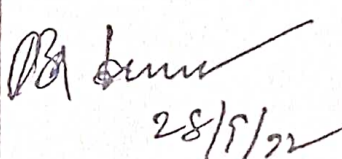
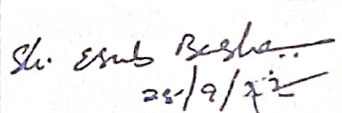
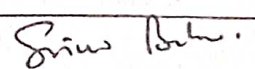
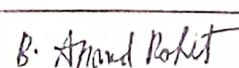
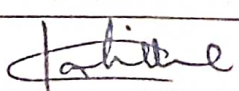
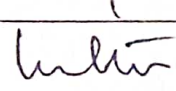
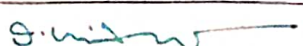
Dr. V.S.Krishna Govt. Degree College(Autonomous), Visakhapatnam
7th Board of Studies: September -2022

Pre-Approval form

Subject : Physics

Department: Physics

In pursuance of conferment of Autonomous status to Dr.V.S.Krishna Govt. Degree College (A). Visakhapatnam by the UGC vide letter No.F22-I/2011 (AC) dated 20.07.2011 from Dr. Manju Singh. Joint Secretary, UGC, New Delhi and Proceedings No. C-II (CDC) /Dr. VSK.Govt.College/BOS/2020 dt.03.08.2022 of the Vice-Chancellor, Andhra University, Visakhapatnam the **8th Board of Studies in Physics Subject** is conducted on 28.09. 2022 at 10:00 AM with the following members. The Changes were implemented from 2021-22 academic year onwards. The syllabus also is ratified.


MEMBER	NAME& DESIGNATION	SIGNATURE
Head of the Department (Chairman)	Dr. CVSS. Sastry	
Faculty Members	Dr. CVSS. Sastry Dr. P. Latha Sri NVS Bhagavan Sri B. Nageswararao Dr. T. Swarna Latha Sri H. Sudheer	
Subject Expert (University Nominee)	Prof. D.S.V.V.D. Prasad, Dept of Physics, Andhra University.	
Subject Experts (from outside the parent university)	Dr. D.B. Radha Krishna, HoD in Physics, Govt. College for Women (A), Srikakulam, Dr.B.R. Ambedkar University, Srikakulam	
	Sri. Esub Basha Shaik, Lecturer in Physics, Govt. College (A), Rajamahendravaram, E.G. Dist., AKNU	
Representative Member From Industry / Corporate / Allied Area relating to placement	Sri. SRINU BABU Visakhapatnam	
Member from Alumni	Sri Bandi Anand Rohit Visakhapatnam	
Coordinator, IQAC	Dr. Ch. Lalitha	
Academic Coordinator and member secretary, Academic Council	Dr. P. Latha	
Principal and Chairperson, Academic Council	Dr. I. Vijayababu	

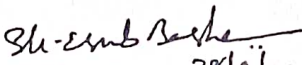
RESOLUTIONS ADOPTED BY BOARD OF STUDIES (BoS) OF PHYSICS (2021 -2022)

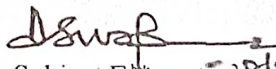
The Board of studies of Physics Department met on 28.09.2022 and unanimously resolved the following:

Resolved

- 1) To continue implementation of the Autonomous Education system in CBCS pattern assuggested by APCHE model as per the staff council resolution.
- 2) To implement the guidelines of the Academic Council.
- 3) To approve the syllabus, model Question Papers and Blue Prints for first, second, third, fourth, fifth and sixth semesters of B.Sc. Degree course in Physics subject.
- 4) To approve the credits allotted and weekly workload proposed for the above syllabus. External evaluation is done for 75 marks and internal evaluation for 25 marks. The average of two mid-term examination marks secured by each student should be taken towards 25% weightage of total 100 marks. The remaining marks of internal assessment is made by conduct of assignment/project/seminar/NSS to be conducted semester wise.
- 5) To approve the continuous internal assessment pattern in accordance with SOP issued by APCCE. At least one-mid/assignment / may be conducted through online, faculty can use technical tools for evaluation and records of every student should be documented for reference.
- 6) To approve the conduct of seminars, webinars, workshops, conferences, symposia, field visits, quiz competitions etc.
- 7) To improve the curriculum as per norms of National Assessment and Accreditation Council (NAAC).
- 8) To encourage the participation of students in community centric activities.
- 9) To encourage students to get trained by JKC in Communication Skills, Analytical Skills and Life Skills etc.
- 10) To improve teacher participation in Research and extension activities.
- 11) To encourage students' participation in e-classes/virtual classes/MOOCs/SWAYAM/ COURSERA/ NPTEL On-line courses etc.
- 12) To make CCE LMS/ MANA TV lessons accessible to students on-line/off-line.
- 13) To conduct remedial coaching for academically weak students and to conduct advanced tutorials for fast learners.


Subject Expert
Affiliated College
28/9/22


Subject Expert 28/9/22
Affiliated College


Subject Expert 28/9/2022
University Nominee

Members-BoS
Dept, of Physics
Dr. V. S. Krishna Govt. Degree College (A),
Visakhapatnam

