

Dr. V. S. Krishna Govt. Degree College (A)
Visakhapatnam-13

Department of Computer Science

Board of Studies – Syllabus
2022-23




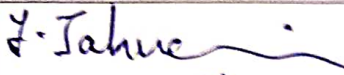
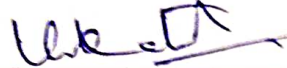


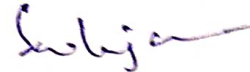
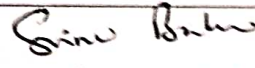




Department of Computer Science
Dr. V. S. Krishna Govt. Degree College (A)
Affiliated to **Andhra University**, Visakhapatnam

Dr. V.S.Krishna Govt. Degree College (Autonomous), Visakhapatnam
Resolutions Minutes of the 8th Board of Studies- August -2022

Subject: Computer Science

Department: Computer Science

In pursuance of conferment of Autonomous status to Dr.V.S.Krishna Govt. Degree College(A). Visakhapatnam by the UGC vide letter No.F22-1/2011(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/2022 dt.03.08.2022 of The Vice-Chancellor, Andhra University, Visakhapatnam, the 8th Board of Studies in Computer Science Subject is conducted on 28 - 09- 2022 at 10:00 AM with the following members. The Changes will be implemented from 2022-23 academic year onwards.


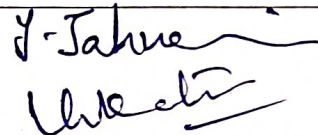



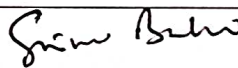
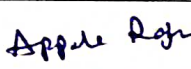

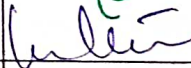
MEMBER	NAME & DESIGNATION	SIGNATURE
Head of the Department (Chairman)	Sri D.V.Raghava Swamy	
Faculty Members	Dr Y. Jahnavi	
	Sri R.Venketeswara Rao	
Subject Expert (University Nominee)	Prof. P.Srinivasa Rao, Principal, AU College of Engineering, Andhra University	
Subject Experts (from outside the parent university)	Dr.A.Siva Prasad Lecturer in Computer Science, GDC, Tekkali	
	Smt.V.Sailaja Lecturer in Computer Science GDC, Ravulapalem	
Member from Industry	Sri. Srinu Babu Senior Software Engineer	 (C.I.T Infotech)
Member from Alumni	Sri. P. Applu Raju Sales Manager, Axis Bank	
Coordinator, IQAC	Dr. Ch. Lalitha	
Coordinator, Academic Council	Dr. P.Latha	
Chairperson, Academic Council	Dr.I. Vijaya Babu Principal	

Dr.V.S.Krishna Govt. Degree College (Autonomous), Visakhapatnam
Resolutions/Minutes of the 8th Board of Studies- August -2022

Subject: Computer Science

Department: Computer Science

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Head of the Department (Chairman)	Sri D.V.Raghava Swamy	
Faculty Members	Dr Y. Jahnavi Sri R.Venketeswara Rao	
Subject Expert (University Nominee)	Prof. P.Srinivasa Rao, Principal, AU College of Engineering, Andhra University	
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	Smt.V.Sailaja Lecturer in Computer Science GDC, Ravulapalem	
Member from Industry	Sri. Srinu Babu Senior Software Engineer	 (CC & IT InfoTech)
Member from Alumni	Sri. P. Applu Raju Sales Manager, Axis Bank	
Coordinator, IQAC	Dr. Ch. Lalitha	
Coordinator, Academic Council	Dr. P.Latha	
Chairperson, Academic Council	Dr.I. Vijaya Babu Principal	

Dr V. S. Krishna Govt Degree College(A)
Department of Computer Science
Board of Studies Meeting-2022 :: Minutes

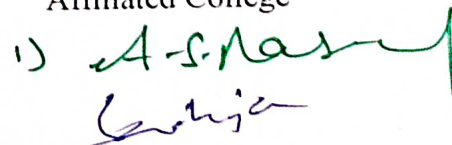
The Board of Studies of Department of Computer Science, Dr. V.S. Krishna Govt degree College (A) met on 28 - 09 - 2022 and resolved the following:

1. To approve Revised C.B.C.S Syllabi and Model papers for the 1st, 2nd, 3rd, 4th, 5th and 6th semesters effected from the admitted batch 2022-23.
2. To ratify revised CBCS syllabus and model papers for the 5th & 6th semesters for the admitted batch 2020-21.
3. To ratify revised CBCS syllabus and model papers for the 3rd, 4th, 5th and 6th semesters for the admitted batch 2021-22.
4. To approve the Internal and External marks ratio as **25:75** affected from the admitted batch 2022-23.
5. To approve the guidelines for **Continuous Internal Assessment (CIA)**
6. To approve the conducting of two internal examinations, and the average of the two is taken as final, affected from the admitted batch 2022-23
7. To approval of Life skill courses for 2022-23.
8. To approve the guidelines of **Community Service Project (CSP)** for the first year students after the second semester as per NEP 2020.
9. To approve the guide lines for Internship (**II phase**) for the duration of 2 months after completion of 4th semester as per NEP 2020.
10. To approve the guide lines for Internship (**III phase**) for the duration of 6 months during 5th/6th semester as per NEP 2020.
11. To conduct Seminars, Workshops, Symposia, Industry visits etc...
12. To implement pedagogical strategies to enrich teaching and learning process.
13. To encourage to join JKC to equip with communication skill and to improve their personality developments.
14. To adapt quality based curriculum as per the norms of the NAAC.
15. To approve the list of Examiners.

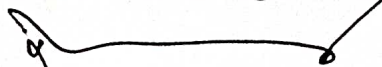
Approved


Subject Expert
University Nominee

Subject Expert
Affiliated College



Member, BOS, Dept of Computers
Dr V.S.Krishna Govt Degree College(A)



Member, BOS, Dept of Computers
Dr V.S.Krishna Govt Degree College(A)



ANNEXURE - II CBSE CURRICULAR FRAMEWORK (2020 - 21 U/V/VAKUD) - BALUHELUK OF SCIENCES

Subjects	SEM I		SEM II		SEM III		SEM IV		SEM V		SEM VI		
	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits	
Languages													
English	4	3	4	3	4	3							
Language (R/T/S)	4	3	4	3	4	3							
Life Skill Courses	2	2	2	2	2+2	2+2							
Skill Development Courses	2	2	2+2	2+2	2	2							
Major 1	Core 1,2,3 & 4	4+2	4+1	4+2	4+1	4+2	4+1						
Major 2	Core 1,2,3 & 4	4+2	4+1	4+2	4+1	4+2	4+1						
Major 3	Core 1,2,3 & 4	4+2	4+1	4+2	4+1	4+2	4+1						
Major 1	Core -5					4+2	4+1						
Major 2	Core -5					4+2	4+1						
Major 3	Core -5					4+2	4+1						
Major 1	Skill Enhancement Courses (6 & 7)					4+2	4+1						
Major 2	Skill Enhancement Courses (6 & 7)					4+2	4+1						
Major 3	Skill Enhancement Courses (6 & 7)					4+2	4+1						
Hrs/W (Academic Credits)	30	25	32	27	32	27	36	30	36	30	12	4	4
Project Work													
Extension Activities	(Non												
NCC/NSS/Sports/Extra Curricular							2						
Yoga						1	1						
Extra Credits													
Hrs/W (Total Credits)	30	25	32	27	32	28	36	33	36	30	12	4	4

THIRD PHASE of APPRENTICESHIP Entire 5th / 6th Semester

FIRST and SECOND PHASES (2 spells) of APPRENTICESHIP between 1st and 2nd year and between 2nd and 3rd year (two summer vacations).

**Dr.V.S.Krishna Govt. Degree College (Autonomous),
Visakhapatnam**

**REVISED SYLLABUS OF B.Sc. (COMPUTER SCIENCE) UNDER CBCS
FRAMEWORK WITH EFFECT FROM 2022-2023**

PROGRAMME: THREE-YEAR B.Sc.

(B.Sc. Computer Science)

***(With Learning Outcomes, Unit-wise Syllabus, References, Co-curricular Activities &
Model Q.P.)***

(To be Implemented from 2022-23 Academic Year)

Structure of Computer Science

Programme: B.Sc. with Computer Science as one of the Core Subjects.
Discipline: Computer Science

Year	Semester	Paper Code	Subject	Hrs. per Week	Credits	IA	ES	Total
First Year	I	C1	Problem Solving in C	4	4	25	75	100
	I	C1-P	Problem Solving in C Lab	2	1		50	50
	II	C2	Data Structures using C	4	4	25	75	100
	II	C2-P	Data Structures using C Lab	2	1		50	50
				Community Service Project (CSP)		4		100
Second Year	III	C3	Database Management System	4	4	25	75	100
	III	C3-P	Database Management System Lab	2	1		50	50
	IV	C4	Object Oriented Programming using Java	4	4	25	75	100
	IV	C4-P	Object Oriented Programming using Java Lab	2	1		50	50
	IV	C5	Operating Systems	4	4	25	75	100
	IV	C5-P	Operating Systems Lab using C/Java	2	1		50	50
	IV		Internship PHASE 2 (Two Months)		4		100	100

Third Year	V	C6A	Web Interface Designing Technologies	4	4	25	75	100	
	V	C6A-P	Web Interface Designing Technologies	2	1		50	50	
	V	C7A	Web Applications Development using PHP & MYSQL	4	4	25	75	100	
	V	C7A-P	Web Applications Development using PHP & MYSQL	2	1		50	50	
	OR								
	V	C6B	Internet of Things	4	4	25	75	100	
	V	C6B-P	Internet of Things-Practical	2	1		50	50	
	V	C7B	Application Development using Python	4	4	25	75	100	
	V	C7B-P	Application Development using Python practical	2	1		50	50	
	OR								
	V	C6C	Data science	4	4	25	75	100	
	V	C6C-P	Data science	2	1		50	50	
	V	C7C	Python for Data science	4	4	25	75	100	
	V	C7C-P	Python for Data science	2	1		50	50	
	VI	Internship-2	On job training		4		100	100	