

SRI VENKATESWARA UNIVERSITY COLLEGE OF ENGINEERING :: TIRUPATI – 517 502

Department of Computer Science and Engineering
B.Tech (CSE) – Choice Based Credit System – 2020 Regulations
(With effect from the academic year 2021-22)
Scheme of Instruction and Examinations

III Semester

Course Code	Course Title	Scheme of Instruction (Hours/Week)				No. of Credits
		L	T	P	Total	
MA301C	Mathematics III	3			3	3
CS302C	Database Management Systems	3	1		4	4
CS303C	Discrete Mathematical Structures	3			3	3
CS304C	Basic Electrical Engineering	3			3	3
CS305C	Elements of Electronics and Communication Engineering	3			3	3
CS306L	Database Management Systems Laboratory			3	3	1.5
CS307L	Electronics and Communication Engineering Laboratory			3	3	1.5
CS309S	Skill Oriented Course - Basic Python Programming	1		2	3	2
PA310A	Audit Course - Constitution of India	2			2	0
Total		18	1	8	27	21

- All Courses - 40 marks (Internal) + 60 Marks (Univ. Semester End)
- Audit Course - 100 marks (Internal) - Zero Credits

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IV Semester

Course Code	Course Title	Scheme of Instruction (Hours/Week)				No. of Credits
		L	T	P	Total	
CS401C	Digital Electronics and Logic Design	3			3	3
CS402C	Simulation and Modeling	3			3	3
HS403C	Managerial Economics and Accountancy	3			3	3
CS404C	Computer Oriented Numerical Methods	3			3	3
CS405C	Computer Organization	3			3	3
CS406C	Design and Analysis of Algorithms	3			3	3
CS407L	Assembly Language Programming and VHDL Laboratory			3	3	1.5
CS408L	Algorithms Laboratory			3	3	1.5
CS409S	Skill Oriented Course - Basic Web Designing	1		2	3	2
Total		19		8	27	23
Internship for 4 to 6 Weeks (Mandatory) during summer vacation.						

- All Courses - 40 marks (Internal) + 60 Marks (Univ. Semester End)

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Department of Computer Science and Engineering

Choice Based Credit System – 2020 Regulations

Scheme of Instruction and Examinations

List of subjects for B.Tech (Honors) in Computer Science and Engineering**

Course Code	Course Title	Scheme of Instruction (Hours/Week)				No. of Credits
		L	T	P	Total	
CSHN01	Distributed Databases	3	1		4	4
CSHN02	Advanced Operating Systems	3	1		4	4
CSHN03	Multicore Computing	3	1		4	4
CSHN04	Natural Language Processing	3	1		4	4
CSHN05	Software Architecture and Design Patterns	3	1		4	4
CSHN06	Multi Agent Systems	3	1		4	4
CSHN07	Deep Learning	3	1		4	4

- All Courses - 40 marks (Internal) + 60 Marks (Univ. Semester End)

** Students shall register for any 4 subjects ($4 \times 4 = 16$ credits) from the above listed subjects, choosing one subject each in IV, V, VI and VII semester. Further, they shall acquire 4 credits through two MOOCs (each of 2 credits), which shall be discipline-specific.

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Department of Computer Science and Engineering
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Scheme of Instruction and Examinations

List of subjects for B.Tech (Minor) in Computer Science and Engineering**

Course Code	Course Title	Scheme of Instruction (Hours/Week)				No. of Credits
		L	T	P	Total	
CSMN01	Data Structures	3	1		4	4
CSMN02	Computer Organization	3	1		4	4
CSMN03	Database Management Systems	3	1		4	4
CSMN04	Computer Networks	3	1		4	4
CSMN05	Software Engineering	3	1		4	4
CSMN06	Java and Web Technology	3	1		4	4

- All Courses - 40 marks (Internal) + 60 Marks (Univ. Semester End)

** Students shall register for any 4 subjects ($4 \times 4 = 16$ credits) from the above listed subjects, choosing one subject each in IV, V, VI and VII semester. Further, they shall acquire 4 credits through two MOOCs (each of 2 credits), which shall be discipline-specific.