.SRI VENKATESWARA UNIVER SITY 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 2022-23)
Scheme of Instruction and Examinations
(Effective from the batch of students admitted from the academic year 202021)

V Semester

Course Code	Course Title	Scheme of Instruction (Hours/Week)				No. of Credits
		L	T	P	Total	
CS501C	Formal Languages and Automata Theory	3			3	3
CS502C	Operating Systems	3			3	3
CS503C	Computer Networks	3			3	3
CS504C	Software Engineering	3	1		4	4
CS505O	Open Elective I (Through MOOCs)	2		2	4	3
CS506L	Operating Systems Laboratory			3	3	1.5
CS507L	Computer Networks Laboratory			3	3	1.5
CS508S	Java Programming (Skill Advanced Course)	2		2	4	3
CS509M	Universal Human Values (Mandatory Course)	2			2	0
Summer Internship 2 Months (Mandatory) after second year (to be evaluated during V semester)					0	1.5
Total		18	1	10	29	23.5

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

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VI Semester

Course Code	Course Title	Scheme of Instruction (Hours/Week)				No. of Credits
		L	T	P	Total	
CS601C	Compiler Design	3			3	3
CS602C	Artificial Intelligence	3			3	3
CS603C	Cryptography and Network Security	3			3	3
CS604C	Computer Graphics	3			3	3
CS605E	Professional Elective I: Data Mining / Distributed Systems / Object Oriented Analysis and Design	3			3	3
CS606L	Artificial Intelligence and Compiler Design Laboratory			3	3	1.5
CS607L	Cryptography and Network Security Laboratory			3	3	1.5
CS608L	Computer Graphics Laboratory			3	3	1.5
CS609S	Advanced Python Programming (Skill Advanced Course)	2		2	4	3
CS610M	Professional Ethics (Mandatory Course)	2			2	0
	Total	19		11	30	22.5

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

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VII Semester

Course Code	Course Title	Scheme of Instruction (Hours/Week)				No. of Credits
		L	T	P	Total	
CS701E	Professional Elective – II	3			3	3
CS702E	Professional Elective – III	3			3	3
CS703E	Professional Elective – IV	3			3	3
CS704O	Open Elective II (Through MOOCs)	2		2	4	3
CS705O	Open Elective III (Through MOOCs)	2		2	4	3
HS706E	Optimization Techniques	3			3	3
CS707S	Mobile Application Development (Skill Advanced Course)	2		2	4	3
Industrial/Research Internship 2 Months (Mandatory) after third year (to be evaluated during VII semester)					-	3
Total		18	-	6	24	24

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

Professional Electives II, III & IV (Any three shall be chosen)

1. Cyber Security
2. Machine Learning
3. Big Data Analytics
4. Cloud Computing
5. Image Processing
6. Soft Computing

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VIII Semester

Course Code	Course Title	Scheme of Instruction (Hours/Week)				No. of Credits
		L	T	P	Total	
CS/PROJ	Project Work				-	12
Internship (6 Months)						
Total		-	-	-	-	12