

# Bhavan's Vivekananda College

Department of Computer Science

Sainikpuri, Secunderabad

Autonomous College – Affiliated to Osmania University

M.Sc. [Computer Science] I Year

CBCS (Choice Based Credit System) w.e.f. 2019-2020

## Scheme of Instruction and Examination

### SEMESTER – I

Paper	Code	Paper Title	PPW		Max. Marks		Max. Marks		Credits
			TH	PR	TH	TH-CIA	PR	PR-CIA	
I	CS101	Advanced Java Programming	4		70	30			4
II	CS102	Operating Systems	4		70	30			4
III	CS103	Software Engineering	4		70	30			4
IV	CS104	Discrete Mathematics	4		70	30			4
V	CS105P (AECC)	Personality Development and Soft Skills		2				25	1
VI	CS101P	Advanced Java Programming Lab		6				75	3
VII	CS102P	Operating Systems Lab		4				50	2
VIII	CS103P	Software Engineering Lab		4				50	2
<b>Total</b>			<b>16</b>	<b>14</b>	<b>280</b>	<b>120</b>	<b>175</b>		<b>24</b>

### SEMESTER – II

Paper	Code	Paper Title	PPW		Max. Marks		Max. Marks		Credits
			TH	PR	TH	TH-CIA	PR	PR-CIA	
I	CS201	Programming Using Python	4		70	30			4
II	CS202	Computer Networks	4		70	30			4
III	CS203	Design and Analysis of Algorithms	4		70	30			4
IV	CS204	Automata Language and Computation	4		70	30			4
V	CS205A	Robotics & Artificial Intelligence	2		35	15			2
VI	CS205B	Internet of Things							
VIII	CS201P	Programming Using Python Lab		6				75	3
IX	CS202P	Computer Networks Lab		4				50	2
X	CS203P	Design and Analysis of Algorithms Lab		4				50	2
<b>Total</b>			<b>18</b>	<b>12</b>	<b>315</b>	<b>135</b>	<b>150</b>		<b>25</b>

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**Head of the Department**  
**Department of Computers**  
 Bharathiya Vidya Bhavan's Vivekananda College  
 Sainikpuri, Secunderabad - 500 094.

*[Signature]*  
**Associate Professor**  
 Dept of Maths O.U


**SEMESTER-III**

Paper	Code	Paper Title	PPW		Max Marks		Max Marks		Credits
			TH	PR	TH	TH-CIA	PR	PR-CIA	
I	CS301	C# Programming	4		70	30			4
II	CS302	Computer Organization	4		70	30			4
III	CS303(A)	Network Security	4		70	30			4
	CS303(B)	Big Data Analytics							
IV	CS304(A)	Object Oriented System Development	4		70	30			4
	CS304(B)	Data Mining							
V	CS305(AECC)	MOOCs (Online SWAYAM Course)	2		70	30			2
VI	CS301P	C# Programming Lab		6				75	3
VII	CS302P	Computer Organization Lab		4				50	2
VIII	CS303(A)P	Network Security Lab		4				50	2
	CS303(B)P	Big Data Analytics Lab							
Total			20	12	350	150	175		25

**SEMESTER – IV**

Paper	Code	Paper Title	PPW		Max Marks		Max Marks		Credits
			TH	PR	TH	TH-CIA	PR	PR-CIA	
I	CS401	Compiler Design	4		70	30			4
II	CS402	Cloud Computing	4		70	30			4
III	CS403(A)	Mobile Computing	4		70	30			4
	CS403(B)	Distributed Systems							
IV	CS404P	Seminar		4				50	2
V	CS405P	Project Work		16			150	50	8
Total			12	20	210	90	150	100	22

  
CHAIRPERSON  
BOS in Computer Science  
Bhavan's Vivekananda College  
Sainikpuri

  
Associate Professor  
Dept of Maths O.U