



# Bhavan's Vivekananda College

Of Science, Commerce and Humanities

Sainikpuri, Secunderabad-94

(Accredited with "A" grade by NAAC)

Autonomous College – Affiliated to Osmania University

M.Sc. COMPUTER SCIENCE

Scheme of Instruction and Examination


(w.e.f. the academic year 2015-2016)

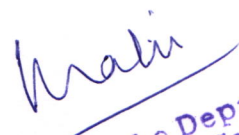
## I Year, I Semester

Paper	Title	PPW		MAX. MARKS			
		TH	PR	TH	TH-CIA	PR	PR-CIA
PCS101	Discrete Mathematical Structures	4		70	30		
PCS102	Modern Operating Systems	4		70	30		
PCS103	Microprocessors & Micro Controllers	4		70	30		
PCS104	Software Engineering	4		70	30		
PCS105	Computer Graphics	4		70	30		
PCS106	Lab (Unix & Computer Graphics)		6			50	
PCS107	Lab (Digital Systems, Microprocessors and Micro Controllers)		6			50	
	Total	20	12	350	150	100	

## I Year, II Semester

Paper	Title	PPW		MAX. MARKS			
		TH	PR	TH	TH-CIA	PR	PR-CIA
PCS201	Automata, Languages and Computation	4		70	30		
PCS202	Advanced JAVA Programming	4		70	30		
PCS203	Computer Networks and Internet Protocols	4		70	30		
PCS204	Design and Analysis of Algorithms	4		70	30		
	Elective	4		70	30		
PCS205A	a). Advanced Computer Architecture						
PCS205B	b). Finite Difference and Finite Element Methods						
PCS205C	c). Embedded Systems						
PCS206	Lab (Network Programming)		6			50	
PCS207	Lab (Advanced JAVA Programming)		6			50	
	Total	20	12	350	150	100	

  
**CHAIRMAN**  
Board of Studies in Computer Science  
Dept. of Mathematics  
Osmania University, Hvd.

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



# Bhavan's Vivekananda College

Of Science, Commerce and Humanities  
Sainikpuri, Secunderabad-94

(Accredited with "A" grade by NAAC)

Autonomous College – Affiliated to Osmania University

Scheme of Instruction and Examination

(w.e.f. the academic year 2016-2017)

## M.Sc. COMPUTER SCIENCE

### III Semester

Paper	Title	PPW		MAX. MARKS			
		TH	PR	TH	TH-CIA	PR	PR-CIA
CS301	.NET Technology	4		70	30		
CS302	Artificial Intelligence	4		70	30		
CS303	Object Oriented System Development with UML	4		70	30		
CS304	Network Security	4		70	30		
	<u>Elective</u>	4		70	30		
CS305A	a) Neural Networks and Fuzzy Logic						
CS305B	b) Image Processing						
CS305C	c) Parallel Programming						
	<u>Practicals</u>						
CS306P	Lab (.NET Technology)		6			50	
CS307P	Lab (Security Systems)		6			50	
	Total	20	12	350	150	100	

### IV Semester

Paper	Title	PPW		MAX. MARKS			
		TH	PR	TH	TH-CIA	PR	PR-CIA
CS401	Data Warehousing & Mining	4		70	30		
CS402	Mobile Computing	4		70	30		
CS403	Distributed Systems	4		70	30		
CS403P	Seminar						25
CS404P	Project Work					70	30
	Total	12		210	90	70	55

Semester	Theory	Practicals	
I Semester –	500	100	
II Semester –	500	100	
III Semester –	500	100	
IV Semester –	300	125	
	-----	-----	
<b>TOTAL</b>	<b>1800</b>	<b>425</b>	<b>= 2225 Marks</b>
	=====	=====	

*[Signature]*  
**CHAIRMAN**  
Board of Studies in Computer Science  
Dept. of Mathematics  
Osmania University, Hyd.

*[Signature]*  
Head of the Department  
Department of Computers  
Bharatiya Vidya Bhavan's Vivekananda College  
Sainikpuri, Secunderabad - 500 094.