Bharati Vidyapeeth (Deemed to be University), Pune
Faculty of Management Studies
BCA 2018 Program: Attainment of Program Outcomes (POs)
Abhijeetdada Kadam Institute of Management and Social Sciences, Solapur: 2018 Cohort

Sr. No.	Faculty	Code

Faculty of Management Studies		
1	Bachelor of Computer Applications (BCA): 2018 Program	

Abhijeetdada Kadam Institute of Management & Social Sciences, Solapur

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Program	Code			
Bachelor of Computer Applications (BCA): 2018 Program				

Semester	Course/Subject	Code			
I	Fundamentals of Information Technology	101			
	Algorithm and program Design	102			
	C Programming I	103			
	Business organization system	104			
	Business Mathematics	105			
	Lab on MS-Office Suite	106			
	Lab on C Programming I	107			
	General course I: Community Work I / Career & Life Skills / Waste Management	108			

Semester	Course/Subject	Code			
II	Computer Organization & Architecture	201			
	DBMS I	202			
	C Programming II	203			
	Financial Accounting	204			
	Principles of Management	205			
	Lab on C Programming II	206			
	Environmental Studies	207			
	General Course II: Community Work II (Swacchh Bharat Abhiyan) / Sectoral Analysis / Smart Cities	208			

Semester	Course/Subject	Code			
III	Operating Systems	301			
	Software Engineering	302			
	DBMS II	303			
	Statistics	304			
	Multimedia Technology	305			
	Lab on Oracle and Multimedia	306			
	Lab on Linux Operating System	307			
	General Course III: Community Work III / Start up management / Agro Tourism	308			

Semester	Course/Subject	Code			
IV	Computer Networks	401			
	Software Testing	402			
	Java Programming	403			
	Operations Research	404			
	Entrepreneurship Development	405			
	Lab on Java	406			
	Minor Project I	407			
	General Course IV: Community work IV / Basics of Taxation / Meditation & Yoga	408			

Semester	Course/Subject	Code			
V	Introduction to the Internet Technologies	501			
	Object Oriented Analysis & Design	502			
	C# Programming	503			
	Graph Theory	504			
	Elective I	505	505-1-A	505-2-A	505-3-A
	Lab on Internet Technology & C# Programming	506			
	Minor Project II	507			
	General Course V: Social Media Management / Road Safety and Management / Event Management	508			

Semester	Course/Subject	Code			
VI	Data warehousing & Data Mining	601			
	Web Programming	602			
	Software project Management	603			
	Business Analytics	604			
	Elective II	605	605-1-B	605-2-B	605-3-B
	Lab on Web programming	606			
	Major Project	607			
	General Course VI: Business Ethics / Basics of Hospitality Management / Aptitude	608			

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Program	Code
Bachelor of Computer Applications (BCA): 2018 Program	

Elective	Information Security	Code
I	Information Security Concepts	505-1-A
II	Information Security Administration	605-1-B

Elective	Big Data	Code
I	Introduction to Big Data	505-2-A
II	HADOOP	605-2-B

Elective	Information Systems	Code
I	E-Commerce	505-3-A
II	Knowledge Management	605-3-B

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Program Outcome Code	Domain	Program Outcome Statement *Our graduates*
PO 1	Computational Knowledge	Understand and apply mathematical foundation, computing and domain knowledge for the conceptualization of computing models from defined problems.
PO 2	Problem Analysis	Identify, critically analyze and formulate complex computing problems using fundamentals of computer science and application domains.
PO 3	Design / Development of Solutions	Transform complex business scenarios and contemporary issues into problems, investigate, understand and propose integrated solutions using emerging technologies.
PO 4	Conduct Investigations of Complex	Devise and conduct experiments, interpret data and provide well informed conclusions.
PO 5	Modern Tool Usage	Select modern computing tools, skills and techniques necessary for innovative software solutions.
PO 6	Professional Ethics	Apply and commit professional ethics and cyber regulations in a global economic environment.
PO 7	Life-long Learning	Recognize the need for and develop the ability to engage in continuous learning as a computing professional.
PO 8	Project Management	Understand management and computing principles with computing knowledge to manage projects in multidisciplinary environments.
PO 9	Communication Efficacy	Communicate effectively with the computing community as well as society by being able to comprehend effective documentations and presentations.
PO 10	Societal & Environmental Concern	Recognize economical, environmental, social, health, legal, ethical issues involved in the use of computer technology and other consequential responsibilities relevant to professional practice.
PO 11	Individual & Team Work	Work as a member or leader in diverse teams in multidisciplinary environment.
PO 12	Innovation & Entrepreneurship	Identify opportunities, entrepreneurship vision and use of innovative ideas to create value and wealth for the betterment of the individual and society.

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Program Outcome Code	Program Outcome Statement *Our graduates*	Attainment (%) Summary 2018 Cohort	
		Target^	Actual*
PO 01	Understand and apply mathematical foundation, computing and domain knowledge for the conceptualization of computing models from defined problems.	80	89
PO 02	Identify, critically analyze and formulate complex computing problems using fundamentals of computer science and application domains.	80	83
PO 03	Transform complex business scenarios and contemporary issues into problems, investigate, understand and propose integrated solutions using emerging technologies.	80	88
PO 04	Devise and conduct experiments, interpret data and provide well informed conclusions.	80	84
PO 05	Select modern computing tools, skills and techniques necessary for innovative software solutions.	80	80
PO 06	Apply and commit professional ethics and cyber regulations in a global economic environment.	80	90
PO 07	Recognize the need for and develop the ability to engage in continuous learning as a computing professional.	80	78
PO 08	Understand management and computing principles with computing knowledge to manage projects in multidisciplinary environments.	80	91
PO 09	Communicate effectively with the computing community as well as society by being able to comprehend effective documentations and presentations.	80	87
PO 10	Recognize economical, environmental, social, health, legal, ethical issues involved in the use of computer technology and other consequential responsibilities relevant to professional practice.	80	92
PO 11	Work as a member or leader in diverse teams in multidisciplinary environment.	80	92
PO 12	Identify opportunities, entrepreneurship vision and use of innovative ideas to create value and wealth for the betterment of the individual and society.	80	93

Note:
^Target Benchmark: 80% of the students should pass the course.
*Actual Passed: The percentage of students that actually passed the course.

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Program Outcome Code	Program Outcome Statement *Our graduates*	Attainment (%) 2018 Cohort		Semester I								Semester II							
		Target^	Actual*	101	102	103	104	105	106	107	108	201	202	203	204	205	206	207	208
PO 01	Understand and apply mathematical foundation, computing and domain knowledge for the conceptualization of computing models from defined problems.	80	73					78				57			85				
PO 02	Identify, critically analyze and formulate complex computing problems using fundamentals of computer science and application domains.	80	70		54	57		78		100			56	50			96		
PO 03	Transform complex business scenarios and contemporary issues into problems, investigate, understand and propose integrated solutions using emerging technologies.	80	83				81	78	100	100			56		85				
PO 04	Devise and conduct experiments, interpret data and provide well informed conclusions.	80	71		54	57				100				50			96		
PO 05	Select modern computing tools, skills and techniques necessary for innovative software solutions.	80	64	61		57							56	50			96		
PO 06	Apply and commit professional ethics and cyber regulations in a global economic environment.	80	80				81		100						85	65		71	
PO 07	Recognize the need for and develop the ability to engage in continuous learning as a computing professional.	80	66	61		57								50			96		
PO 08	Understand management and computing principles with computing knowledge to manage projects in multidisciplinary environments.	80	77		54		81		100						85	65			
PO 09	Communicate effectively with the computing community as well as society by being able to comprehend effective documentations and presentations.	80	83						100						85	65			
PO 10	Recognize economical, environmental, social, health, legal, ethical issues involved in the use of computer technology and other consequential responsibilities relevant to professional practice.	80	85	61			81			100	100							71	100
PO 11	Work as a member or leader in diverse teams in multidisciplinary environment.	80	88							100					85	65			100
PO 12	Identify opportunities, entrepreneurship vision and use of innovative ideas to create value and wealth for the betterment of the individual and society.	80	83					78		100					85	65		71	100

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Program Outcome Code	Program Outcome Statement *Our graduates*	Attainment (%) 2018 Cohort		Semester III								Semester IV							
		Target^	Actual*	301	302	303	304	305	306	307	308	401	402	403	404	405	406	407	408
PO 01	Understand and apply mathematical foundation, computing and domain knowledge for the conceptualization of computing models from defined problems.	80	93				95								92				
PO 02	Identify, critically analyze and formulate complex computing problems using fundamentals of computer science and application domains.	80	80	36	63	65			98	100		92	93	92			90	75	
PO 03	Transform complex business scenarios and contemporary issues into problems, investigate, understand and propose integrated solutions using emerging technologies.	80	82		63			45	98	100			92	92			90	75	
PO 04	Devise and conduct experiments, interpret data and provide well informed conclusions.	80	80	36		65	95						93	92	92		90	75	
PO 05	Select modern computing tools, skills and techniques necessary for innovative software solutions.	80	77		63	65		45	98	100			93					75	
PO 06	Apply and commit professional ethics and cyber regulations in a global economic environment.	80	90													90			
PO 07	Recognize the need for and develop the ability to engage in continuous learning as a computing professional.	80	67	36		65		45				92		92				75	
PO 08	Understand management and computing principles with computing knowledge to manage projects in multidisciplinary environments.	80	96				95		98	100						90			
PO 09	Communicate effectively with the computing community as well as society by being able to comprehend effective documentations and presentations.	80	79					45				92					90	90	
PO 10	Recognize economical, environmental, social, health, legal, ethical issues involved in the use of computer technology and other consequential responsibilities relevant to professional practice.	80	89								100							75	93
PO 11	Work as a member or leader in diverse teams in multidisciplinary environment.	80	89								100						90	75	93
PO 12	Identify opportunities, entrepreneurship vision and use of innovative ideas to create value and wealth for the betterment of the individual and society.	80	95				95				100						90		93

Note:
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Program Outcome Code	Program Outcome Statement _Our graduates_	Attainment (%) 2018 Cohort		Semester V				Elective I (505)			506	507	508	Semester VI				Elective II (605)			606	607	608
		Target^	Actual*	501	502	503	504	505-1-A	505-2-A	505-3-A				601	602	603	604	605-1-B	605-2-B	605-3-B			
PO 01	Understand and apply mathematical foundation, computing and domain knowledge for the conceptualization of computing models from defined problems.	80	100				100							100			100						100
PO 02	Identify, critically analyze and formulate complex computing problems using fundamentals of computer science and application domains.	80	100	100	100	100	100				100	100			100	100	100		Y		100	100	
PO 03	Transform complex business scenarios and contemporary issues into problems, investigate, understand and propose integrated solutions using emerging technologies.	80	100	100	100	100	100	Y	100	Y	100	100	100	100	100		100	100		Y	100	100	
PO 04	Devise and conduct experiments, interpret data and provide well informed conclusions.	80	100	100		100		Y	100		100			100	100		100	100	Y		100		
PO 05	Select modern computing tools, skills and techniques necessary for innovative software solutions.	80	100	100		100		Y	100	Y	100	100			100	100		100	Y	Y	100	100	
PO 06	Apply and commit professional ethics and cyber regulations in a global economic environment.	80	100								100	100				100						100	100
PO 07	Recognize the need for and develop the ability to engage in continuous learning as a computing professional.	80	100	100	100			Y	100	Y					100			100	Y	Y			
PO 08	Understand management and computing principles with computing knowledge to manage projects in multidisciplinary environments.	80	100							Y	100		100	100		100	100				100	100	100
PO 09	Communicate effectively with the computing community as well as society by being able to comprehend effective documentations and presentations.	80	100		100							100			100					Y		100	
PO 10	Recognize economical, environmental, social, health, legal, ethical issues involved in the use of computer technology and other consequential responsibilities relevant to professional practice.	80	100										100										100
PO 11	Work as a member or leader in diverse teams in multidisciplinary environment.	80	100								100	100								Y			100
PO 12	Identify opportunities, entrepreneurship vision and use of innovative ideas to create value and wealth for the betterment of the individual and society.	80	100								100	100											100

Note:
^Target Benchmark: 80% of the students should pass the course.
*Actual Passed: The percentage of students that actually passed the course.