

HIMACHAL PRADESH

NAAC ACCREDITED

Report on

PO Attainment

BCA 2019

Department of Computer Applications



Report on PO Attainment Batch 2019 BCA (Year I,II,III)

Department of Computer Applications

Dated: 27/07/2022

Overview

An outcome is a result of learning that reveals what the student should be able to do at the end of a course. Outcome-based curriculum is a performance-based education system which is crucial in determining the type of graduates we want. In this approach, the desired educational outcomes should be clearly specified. Having an unequivocal outcome facilitates the nature of course offered, its content and also the teaching plans. Constructive alignment is a principle used for devising teaching and learning activities and assessment tasks that directly address the course outcomes (COs) intended. The outcome-based approach provides a mechanism to ensure the accountability and quality assurance to an educational Programme.

Course mapping shows the educational relationship (Level of Learning achieved) between Course Outcomes and Program Outcomes for a Course. The result strongly indicates whether the students are able to achieve the course learning objectives. The method can be used for any course and is a good way to evaluate a course syllabus.

The below mentioned steps shall address the procedure for assessing the percentage achievement of Program Outcomes.

Program Outcome

The Program Outcomes for the BCA Program are the following:

PO1: Application of Knowledge: Apply knowledge of software development paradigms in a systematic manner to solve real-time problems.

PO2: Employability: Build skills, knowledge and attitude necessary to work as responsible software professional.

PO3: Societal & Environmental Concern: Design solution for software application problems with appropriate consideration for societal and environmental issues.

PO4: Modern Tool Usage: Create, select and apply appropriate techniques, resources and modern IT tools.

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PO5: Professional Ethics: Apply ethical principles and practices towards the use of technology and commit to professional ethics and responsibilities.

PO6: Individual & Team Work: Function effectively as an individual, and as a member or a leader in diverse teams and multi-disciplinary fields.

PO7: Communication Efficacy: Communicate effectively and write effective reports and Design documents, make effective presentations and give and receive clear instructions.

PO8:Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

PO9:Problem Analysis: Prepare plan, design and develop solutions for the real-world problems of the industry.

PO10:Innovation and Entrepreneurship: Identify opportunities; develop entrepreneurship vision and use of innovative ideas to create value and wealth for the betterment of the individual and society.

Course Outcomes mapping with Program Outcomes:

The course outcomes were mapped with the program outcomes for BCA on the scale of High, Medium and Low. Thereafter, the mapped values were allocated with weights i.e., High: 3; Medium: 2; and Low: 1.The subject wise result was compiled for all semester from 1st to 6th.

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PO Attainment of subjects: BCA

Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CA136	76	76	76	76	76	76	76	76	76	76
AM107	90	90	90	90	90	90	90	90	90	90
CA101	93	93	93	93	93	93	93	93	93	93
CA102	81	81	81	81	81	81	81	81	81	81
CA103	93	93	93	93	93	93	93	93	93	93
CA104	94	94	94	94	94	94	94	94	94	94
CA105	79	79	79	79	79	79	79 😂	79	79	79
CA106	90	90	90	90	90	90	90	90	90	90
GEL4101	52	52	52	52	52	52	52	52	52	52
AM108	100	100	100	100	100	100	100	100	100	100
CA107	90	90	90	90	90	90	90	90	90	90
CA112	100	100	100	100	100	100	100	100	100	100
CA111	100	100	100	100	100	100	100	100	100	100
CA143	100	100	100	100	100	100	100	100	100	100
CA142	100	100	100	100	100	100	100	-	100	100
CA108	97	97	97	97	97	97	97	97	97	97
CA144	37	37	37	37	37	37	37	37	37	37
CA114	94	94	94	94	94	94	94	94	94	94
AM109	91	91	91	91	91	91	91	91	91	91
CA113	92	92	. 92	92	92	92	92	92	92	92
CA115	90	90	90	90	90	90	90	90	90	90
CA116	99	99	99	99	99	99	99	99	99	99
CA118	93	93	93	93	93	93	93	93	93	93
CA145	98	98	98	98	98	98	98	98	98	98
CA125	96	96	96	96	96	96	96	96	96	96
CA121	94	94	94	94	94	94	94	94	94	94
CA123	94	94	 -	94	94	94	94	94	94	94 🕏
CA124	95	95	95	95	95	95	-	-	95	95
CA122	98	98	98	98	98	98	98	98	98	98
DM101	93	93	-	93	93	94	94	93	-	93
HR101	98	98	98	98	98	98	98	98	98	98
CA126	98	98	98	98	98	98	98	98	98	98
CA119	93	93	93	93	93	93	93	93	93	93
CA129	93	93	93	† -	93	93	93	93	-	93
CA127	84	84	84	84	84	84	84	84	84	84
CA130	91	91	91	91	91	-	91	-	91	91
CA131	97	97	97	97	97	97	97	97	97	97
CA132	81	-	81	81	81	-	81	81	81	81
CA133	96	96	96	96	-	96	96	96	96	96
CS501	87	87	-	87	87	87			87	87

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CA135	72	72	72	72	72	72	72		72	72
CA138	74	74	74	74	74	74	74 ~	-	74	74
CA139	80	80	80	-	80	80	80	-	80	80
CA157	80	80	80	80	80	80	80	80	80	80
CL205	78	-	-	78	-	78	78	78	78	78
POA	88.91	89.35	89	89.02	89	89.07	88.84	89.53	88.72	88.91

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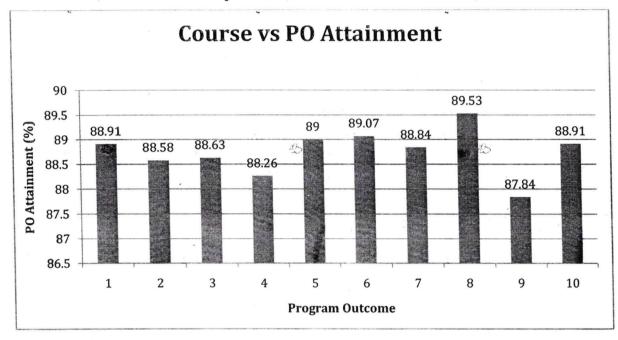
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Representation of PO attainment:



Analysis -

The representation shows that the students of batch 2019 have successfully attained a minimum of 87%. This indicates that the evaluation pattern has been consistent in terms of questions asked and the marks obtained by the students have been consistent. Though this is on a higher side of the scale as the maximum achieved percentage is 89% but still we can infer that the students have overall attained the Program outcomes.

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CLO PO ATTAINMENT FOR AM 107 (Foundation Course in Mathematics)

The average attainment of each CLO with corresponding PO is shown in the table below. The value of 1 means that the 100% attainment . For this particular course the average attainment is 0.7 which is a good attainment value.

TABLE CLO-PO ATTAINMENT FOR AM107

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CLO1	0.7	1	0.7		1	0.7	0.7	1		1
CLO2		0.7	0.7	1		1			0.7	0.7
CLO3	1	0.7			1		1	0.7		
CLO4		1		1	1	1		0.7	0.7	
CLO5	0.7	1	0.7				0.7			1
AVG	0.8	0.88	0.7	1	1	0.9	0.8	0.8	0.7	0.9

