

# Shahid Virpatni Laxmi Mahavidyalaya, Titave

## Criteria 2- Teaching- Learning and Evaluation

### Key Indicator-2.6. Student Performance and Learning Outcomes

#### 2.6.2 Attainment of POs and COs evaluated

Attainment of Programme Outcomes (POs) and Course Outcomes (COs) are calculated by the institution using direct and indirect method. In the direct method, students' performance in the university examinations and internal evaluation is taken into consideration. The university internal evaluation includes seminar presentations, assignment submissions, term- work, oral examinations through which the learning outcomes are measured. In Indirect method, student progression and placement are taken into consideration. Course Outcome attainment levels are set for all courses in each program.

**The attainment level for course outcomes is defined as follows:**

#### University Examination

Level 1: below 45% of students scoring more than average marks

Level 2: 45-60% of students scoring more than average marks

Level 3: above 60% of students scoring more than average marks.

#### Internal Examination

Level 1: below 60% of students scoring more than average marks

Level 2: 60-80% of students scoring more than average marks

Level 3: above 80% of students scoring more than average marks

**The attainment level for program outcomes is defined as follows:**

Program Outcome Level	Target attainment
Level 1	0.5-1.0
Level 2	1.0-1.5
Level 3	1.5-2.0
Level 4	2.0-2.5
Level 5	2.5-3.0



Principal

Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur.

Calculation for Program Outcome Attainment for the Year 2022-23 (B.C.A.-III)

Attainment of course outcome									
Semester (Theory)	Course Code/ paper name	Course Title	% of students above 60% University marks	Level of Attainment	80% of Attainment Level in end term exam (I)	% of students above 60% internal marks	Level of attainment	20% of Attainment Level in internal exam (II)	Attainment of Course (I+II)
Semester V	PI	Mobile Application	0	1	0.00	100.00	3	0.60	0.60
	P-II	Artificial intelligence	0	1	0.00	100.00	3	0.60	0.60
	P-III	cyber security	0	1	0.00	100.00	3	0.60	0.60
	P-IV	MultiMedia & Application	33.3	1	1.60	100.00	3	0.60	2.60
	P-V	Management information system	3.33	1	2.66	100.00	3	0.60	3.26
Semester VI	PI	Cyber Law	13.33333333	1	0.80	100.00	3	0.60	1.40
	P-II	Data Warehousing And Data mining	3.33333333	1	0.80	100.00	3	0.60	1.40
	P-III	IOT	90	3	2.40	100.00	3	0.60	3.00
	P-IV	BIG Data and Cloud Computing	23.33333333	1	0.80	100.00	3	0.60	1.40
	P-V	Project	100	3	2.40	100.00	3	0.60	3.00
				Total	11.46		Total	6.00	17.86
				Average	1.15		Average	0.60	1.79

For University Exam		For Internal Exam	
Level 1	below 45 % of students scoring more than average marks	Level 1	below 60 % of students scoring more than average marks
Level 2	45-60 % of students scoring more than average marks	Level 2	60-80 % of students scoring more than average marks
Level 3	above 60% of students scoring more than average marks	Level 3	above 80% of students scoring more than average marks

Attainment by Direct method

Average Attainment direct method	Average Attainment by indirect Method	80% of Average of direct method	20% of Average of indirect method	Average PO Attainment	Target Attainment level
1.15	1.79	0.91712	0.60	1.52	Level3

Program outcome Level	Target Attainment
Level 1	0.5 > 1.0
Level 2	1.0 > 1.5
Level 3	1.5 > 2.0
Level 4	2.0 > 2.5
Level 5	2.5 > 3.0



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Titave, Tal. Radhanagar, Dist. Kolhapur

Shahid Shikshan Prasarak Mandals's

**SHAHID VIRPATNI LAXMI MAHAVIDYALAYA TITAVE**

ACADEMIC YEAR 2022-23 Bachelor Of Computer Applications - Semester VI(Regular - 2020 Pattern) Examination:April 2023

Sr.No.	Class:BCA-III Semester-V			University Exam. Marks out of 75							Internal Marks out of 25						
	PRN	NAME OF THE STUDENT	MOBILE NO.	PI	P-II	P-III	P-IV	P-V	Total	%	PI	P-II	P-III	P-IV	P-V	Total	%
1	2021016100118707	BOTE SHIVANI DATTATRAY		30	33	34	21	33	151	46.46	22	22	22	22	22	110	88
2	2021016100113591	CHOUGALE SANIKA SHAHAJI		35	33	39	15	37	159	48.92	21	21	21	21	21	105	84
3	2020016100101004	DONGALE SAKSHI DHANAJI		30	35	38	16	39	158	48.62	19	20	19	19	20	97	78
4	2020016100099227	GURAV SAKSHI TUKARAM		30	30	32	11	36	139	42.77	22	22	22	22	22	110	88
5	2020016100100635	JADHAV VAISHANI SHIVAJI		30	38	37	15	38	158	48.62	21	22	22	21	21	107	86
6	2020016100100426	KAMBALE KARUNA RAGHUNATH		42	30	33	11	31	147	45.23	21	20	20	21	21	103	82
7	2021016100113602	KAMBALE KARUNA DATTARAY		38	32	33	18	40	161	49.54	21	19	20	22	20	102	82
8	2020016100099282	KAMBLALE AMRUTA DEEPAK		41	39	31	14	39	164	50.46	21	20	20	21	21	103	82
9	2020016100101012	KAMBLE PRANALI RAJARAM		30	30	36	12	39	147	45.23	20	20	20	20	20	100	80
10	2021016100113552	KAMBLE SUJATA DATTARAY		35	34	35	13	41	158	48.62	17	19	17	18	19	90	72
11	2020016100100411	KAMBLE SWAPNALI TANAJI		36	33	35	21	38	163	50.15	20	20	20	20	20	100	80
12	2021016100113583	KASAR PALLAVI SURESH		30	33	42	11	30	146	44.92	20	21	20	20	21	102	82
13	2021016100113575	KASAR PRACHI SURESH		30	31	34	12	30	137	42.15	20	21	20	20	21	102	82
14	2020016100101027	KHADE RUTUJA KISAN		37	35	35	13	40	160	49.23	23	23	23	23	23	115	92
15	2020016100100457	KULKARNI SAKSHI NAMDEV		30	34	32	14	43	153	47.08	22	22	22	22	22	110	88
16	2020016100099363	KUMBHAR PRANALI ARVIND		30	33	31	16	38	148	45.54	22	22	22	22	22	110	88
17	2020016100100264	MANE SNEHAL MARUTI		32	33	34	12	48	159	48.92	22	22	22	22	22	110	88
18	2020016100099251	MENGANE CHINMAYI SHIVAJI		41	31	30	13	35	150	46.15	23	23	23	23	23	115	92
19	2021016100113776	MOHITE VAISHALI SAHADEV		31	41	31	11	33	147	45.23	19	19	19	19	19	95	76
20	2021016100113567	MORE ASMITA SOMNATH		30	37	41	13	40	161	49.54	19	19	19	19	19	95	76
21	2020016100099332	MORE SANIKA BALASO		30	35	36	15	37	153	47.08	20	20	20	20	20	100	80
22	2020016100100442	NADAF SUMAIYA HUSEN		34	30	32	10	41	147	45.23	20	20	20	20	22	102	82
23	2020016100100403	PATIL PRATIKSHA RAJARAM		30	30	32	16	36	144	44.31	21	21	21	21	21	105	84
24	2020016100100473	PATIL POONAM SATAPPA		31	34	34	14	33	146	44.92	23	23	23	23	23	115	92
25	2020016100099193	PATIL SAMRUDDHI ANANDA		33	36	39	13	34	155	47.69	22	22	22	22	22	110	88
26	2020016100100434	PATIL SHRUTI RAJENDRA		32	36	35	14	39	156	48	20	20	20	20	20	100	80
27	2020016100099185	POWAR JYOTI SADASHIV		33	35	38	14	40	160	49.23	21	21	21	21	21	105	84

Shahid Shikshan Prasarak Mandals's

SHAHID VIRPATNI LAXMI MAHAVIDYALAYA TITAVE

ACADEMIC YEAR 2022-23 Bachelor Of Computer Applications - Semester VI(Regular - 2020 Pattern) Examination: April 2023

Class:BCA-III Semester-V				University Exam. Marks out of 75							Internal Marks out of 25						
Sr.No.	PRN	NAME OF THE STUDENT	MOBILE NO.	PI	P-II	P-III	P-IV	P-V	Total	%	PI	P-II	P-III	P-IV	P-V	Total	%
28	2020016100101074	RANADIVE SANIKA SANJAY		30	35	32	15	36	148	45.54	21	21	21	21	21	105	84
29	2020016100100875	SATUSE SUMAN DILIP		31	30	34	14	36	145	44.62	21	20	22	19	19	101	81
30	2020016100099266	SHINDE PRAMILA MARUTI		30	35	35	13	33	146	44.92	21	20	22	19	19	101	81
Appered students(N)				30	30	30	30	30			30	30	30	30	30		
marks obtained outoff 75(University Exam)			% of marks(level)	No.of students in each paper					No.of students								
>=45 marks out of 75 marks			>=60%	0	0	0	10	1	>=60%	>=15	30	30	30	30	30		
% of students calculation in three levels																	
% of students scoring >=60% marks			>=60%	0	0	0	33.33	3.33	>=60%	>=15	100	100	100	100	100		

PI	Mobile Application
P-II	Artificial intelligence
P-III	cyber security
P-IV	MultiMedia & Application
P-V	Management information system



*(Signature)*  
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ACADEMIC YEAR 2022-23 Bachelor Of Computer Applications - Semester VI(Regular - 2020 Pattern) Examination: April 2023

Sr.No.	Class:BCA-III Semester-VI			University Exam. Marks out of 75							Internal Marks out of 25						
	PRN	NAME OF THE STUDENT	MOBILE NO.	PI	P-II	P-III	P-IV	P-V	Total	%	PI	P-II	P-III	P-IV	P-V	Total	%
1	2021016100118707	BOTE SHIVANI DATTATRAY		30	41	18	46	70	205	51.25	22	23	23	23	72	163	82
2	2021016100113591	CHOUGALE SANIKA SHAHAJI		35	35	17	45	70	202	50.5	21	22	22	22	72	159	80
3	2020016100101004	DONGALE SAKSHI DHANAJI		31	33	16	44	72	196	49	22	21	21	21	72	157	79
4	2020016100099227	GURAV SAKSHI TUKARAM		30	30	18	31	73	182	45.5	23	23	23	23	73	165	83
5	2020016100100635	JADHAV VAISHANI SHIVAJI		35	32	20	45	74	206	51.5	23	23	23	23	74	166	83
6	2020016100100426	KAMBALE KARUNA RAGHUNATH		33	30	12	30	68	173	43.25	22	22	22	22	68	156	78
7	2021016100113602	KAMBALE KARUNA DATTARAY		47	30	17	38	68	200	50	21	21	21	21	68	152	76
8	2020016100099282	KAMBLALE AMRUTA DEEPAK		32	30	17	36	70	185	46.25	22	22	22	22	70	158	79
9	2020016100101012	KAMBLE PRANALI RAJARAM		20	20	14	14	68	136	34	22	22	22	22	68	156	78
10	2021016100113552	KAMBLE SUJATA DATTARAY		33	31	16	33	70	183	45.75	22	22	22	22	70	158	79
11	2020016100100411	KAMBLE SWAPNALI TANAJI		30	33	17	36	70	186	46.5	21	22	22	23	70	158	79
12	2021016100113583	KASAR PALLAVI SURESH		38	34	15	32	73	192	48	22	22	22	23	73	162	81
13	2021016100113575	KASAR PRACHI SURESH		30	30	15	30	73	178	44.5	22	22	24	24	73	165	83
14	2020016100101027	KHADE RUTUJA KISAN		43	41	19	44	74	221	55.25	24	24	22	22	74	166	83
15	2020016100100457	KULKARNI SAKSHI NAMDEV		31	40	18	37	72	198	49.5	22	22	22	22	72	160	80
16	2020016100099363	KUMBHAR PRANALI ARVIND		30	35	16	40	74	195	48.75	22	22	22	22	74	162	81
17	2020016100100264	MANE SNEHAL MARUTI		42	40	18	41	72	213	53.25	22	22	24	24	72	164	82
18	2020016100099251	MENGANE CHINMAYI SHIVAJI		32	40	16	39	74	201	50.25	23	23	22	22	74	164	82
19	2021016100113776	MOHITE VAISHALI SAHADEV		39	35	19	39	70	202	50.5	20	20	20	20	70	150	75
20	2021016100113567	MORE ASMITA SOMNATH		41	32	18	38	70	199	49.75	20	20	20	20	70	150	75
21	2020016100099332	MORE SANIKA BALASO		37	34	19	38	70	198	49.5	22	22	22	22	70	158	79
22	2020016100100442	NADAF SUMAIYA HUSEN		33	30	19	30	68	180	45	20	20	22	22	68	152	76
23	2020016100100403	PATIL PRATIKSHA RAJARAM		36	36	14	38	72	196	49	22	22	22	22	72	160	80
24	2020016100100473	PATIL POONAM SATAPPA		32	33	17	40	74	196	49	24	24	24	24	74	170	85
25	2020016100099193	PATIL SAMRUDDHI ANANDA		47	39	20	43	70	219	54.75	23	23	23	23	70	162	81
26	2020016100100434	PATIL SHRUTI RAJENDRA		46	30	18	30	70	194	48.5	24	23	23	23	70	163	82
27	2020016100099185	POWAR JYOTI SADASHIV		41	43	17	49	73	223	55.75	23	23	22	22	73	163	82

Shahid Shikshan Prasarak Mandals's

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ACADEMIC YEAR 2022-23 Bachelor Of Computer Applications - Semester VI(Regular - 2020 Pattern) Examination: April 2023

Sr.No.	Class:BCA-III Semester-VI			University Exam. Marks out of 75							Internal Marks out of 25						
	PRN	NAME OF THE STUDENT	MOBILE NO.	PI	P-II	P-III	P-IV	P-V	Total	%	PI	P-II	P-III	P-IV	P-V	Total	%
28	2020016100101074	RANADIVE SANIKA SANJAY		35	44	15	48	70	212	53	23	23	22	22	70	160	80
29	2020016100100875	SATUSE SUMAN DILIP		45	45	17	51	70	228	57	23	22	21	21	70	157	79
30	2020016100099266	SHINDE PRAMILA MARUTI		38	41	17	47	72	215	53.75	22	22	21	21	72	158	79
Appered students(N)				30	30	30	30	30			30	30	30	30	30		
marks obtained outoff 75(University Exam)			% of marks(level)	No.of students in each paper							No.of students						
≥45 marks out of 75 marks			≥60%	4	1	27	7	30	≥60%	≥15	30	30	30	30	30		
% of students calculation in three levels																	
% of students scoring ≥60% marks			≥60%	13.3333	3.33333333	90	23.3333333	100	≥60%	≥15	100	100	100	100	100		

PI	Cyber Law
P-II	mining
P-III	IOT
P-IV	BIG Data and Cloud Computing
P-V	Project



  
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**Shahid Shikshan Prasarak Mandals's**  
**SHAHID VIRPATNI LAXMI MAHAVIDYALAYA TITAVE**  
**ACADEMIC YEAR 2022-23**

**Department of Computer Sciene**

**Attainment Data for Indirect Mehod**

Sr.No.	PRN	NAME OF THE STUDENT	Placement (Y/N)	Own business (Y/N)	UG to PG progression (Y/N)
1	2021016100118707	BOTE SHIVANI DATTATRAY			Y
2	2021016100113591	CHOUGALE SANIKA SHAHAJI	Y		
3	2020016100101004	DONGALE SAKSHI DHANAJI	Y		
4	2020016100099227	GURAV SAKSHI TUKARAM			Y
5	2020016100100635	JADHAV VAISHANI SHIVAJI			Y
6	2020016100100426	KAMBALE KARUNA RAGHUNATH	Y		
7	2021016100113602	KAMBALE KARUNA DATTARAY	Y		
8	2020016100099282	KAMBLALE AMRUTA DEEPAK	Y		
9	2020016100101012	KAMBLE PRANALI RAJARAM	Y		
10	2021016100113552	KAMBLE SUJATA DATTARAY	Y		
11	2020016100100411	KAMBLE SWAPNALI TANAJI	Y		
12	2021016100113583	KASAR PALLAVI SURESH	Y		
13	2021016100113575	KASAR PRACHI SURESH	Y		
14	2020016100101027	KHADE RUTUJA KISAN	Y		
15	2020016100100457	KULKARNI SAKSHI NAMDEV	Y		
16	2020016100099363	KUMBHAR PRANALI ARVIND	Y		
17	2020016100100264	MANE SNEHAL MARUTI			Y
18	2020016100099251	MENGANE CHINMAYI SHIVAJI			Y
19	2021016100113776	MOHITE VAISHALI SAHADEV			Y
20	2021016100113567	MORE ASMITA SOMNATH			Y
21	2020016100099332	MORE SANIKA BALASO			Y
22	2020016100100442	NADAF SUMAIYA HUSEN	Y		
23	2020016100100403	PATIL PRATI KSHA RAJARAM			Y
24	2020016100100473	PATIL POONAM SATAPPA			Y
25	2020016100099193	PATIL SAMRUDDHI ANANDA	Y		
26	2020016100100434	PATIL SHRUTI RAJENDRA	Y		
27	2020016100099185	POWAR JYOTI SADASHIV	Y		
28	2020016100101074	RANADIVE SANIKA SANJAY	Y		
29	2020016100100875	SATUSE SUMAN DILIP	Y		
30	2020016100099266	SHINDE PRAMILA MARUTI	Y		
Level 1	below 45 % of students placement/ownbusiness/PG progression		<b>Grand Total</b>	30.00	
Level 2	45-60 % of students placement/ownbusiness/PG progression		<b>% students</b>	100.00	
Level 3	above 60% of students placement/ownbusiness/PG progression		<b>Attainment Level</b>	3.00	



*(Signature)*  
**Principal**  
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