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॥ सिद्धिरनेकान्तात् ॥

Anekant Education Society's

**TULJARAM CHATURCHAND COLLEGE**  
of Arts, Science and Commerce, Baramati - 413102.

Dist. Pune. Maharashtra, India.

**Empowered Autonomous Status**

Religious Minority Institute

NAAC Reaccredited 'A+' Grade, CGPA 3.55

**NAAC-SSR**

**Cycle IV**

**2019 - 2024**

**Criterion-VI : Governance, leadership, and management**

**6.5.2**

**Q<sub>1</sub>M**

The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

**Attainment of  
Learning Outcomes  
2022-23**



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of BBA**

**Under Graduate Program : BBA**

**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	BBA3501	SUPPLY CHAIN LOGISTIC MANAGEMENT	71	59.15	2	1.2	97.18	3	1.2	2.4
	BBA3502	ENTREPRENEURSHIP DEVELOPMENT	71	52.11	2	1.2	78.87	3	1.2	2.4
	BBA3503	BUSINESS LAW	71	16.9	1	0.6	76.06	3	1.2	1.8
	BBA3504	RESEARCH METHODOLOGY	71	69.01	3	1.8	98.59	3	1.2	3
	BBA3505(A)	HUMAN RESOURCE MANAGEMENT-I	20	65	3	1.8	80	3	1.2	3
	BBA3505(B)	FINANCIAL MANAGEMENT-I	33	42.42	2	1.2	96.97	3	1.2	2.4
	BBA3505(C)	MARKETING MANAGEMENT-I	18	61.11	3	1.8	100	3	1.2	3
	BBA3506(A)	HUMAN RESOURCE MANAGEMENT-II	20	45	2	1.2	95	3	1.2	2.4
	BBA3506(B)	FINANCIAL MANAGEMENT-II	33	63.64	3	1.8	96.97	3	1.2	3
	BBA3506(C)	MARKETING MANAGEMENT-II	18	50	2	1.2	55.56	2	0.8	2
	BBA3507(A)	HUMAN RESOURCE MANAGEMENT PROJECT	20	100	3	1.8	NA	NA	NA	1.8
	BBA3507(B)	FINANCE PROJECT	33	100	3	1.8	NA	NA	NA	1.8
	BBA3507(C)	MARKETING PROJECT	18	94.44	3	1.8	NA	NA	NA	1.8
	BBA3601	BUSINESS PLANNING AND PROJECT MANAGEMENT	71	49.3	2	1.2	95.77	3	1.2	2.4
	BBA3602	MANAGEMENT CONTROL SYSTEM	71	57.75	2	1.2	67.61	3	1.2	2.4
VI	BBA3603	E- BUSINESS	71	42.25	2	1.2	84.51	3	1.2	2.4
	BBA3604	BUSINESS ANALYTICS	71	78.87	3	1.8	98.59	3	1.2	3
	BBA3605(A)	HUMAN RESOURCE MANAGEMENT-I	20	15	1	0.6	80	3	1.2	1.8
	BBA3605(B)	FINANCIAL MANAGEMENT-I	33	75.76	3	1.8	100	3	1.2	3

VI	BBA3605(C)	MARKETING MANAGEMENT-I	18	50	2	1.2	94.44	3	1.2	2.4
	BBA3606(A)	HUMAN RESOURCE MANAGEMENT-II	20	15	1	0.6	80	3	1.2	1.8
	BBA3606(B)	FINANCIAL MANAGEMENT-II	33	93.94	3	1.8	72.73	3	1.2	3
	BBA3606(C)	MARKETING MANAGEMENT-II	18	72.22	3	1.8	50	2	0.8	2.6
	BBA3607(A)	HUMAN RESOURCE MANAGEMENT PROJECT	20	100	3	1.8	NA	NA	NA	1.8
	BBA3607(B)	FINANCIAL PROJECT	33	100	3	1.8	NA	NA	NA	1.8
	BBA3607(C)	MARKETING PROJECT	18	94.44	3	1.8	NA	NA	NA	1.8
<b>Total</b>			<b>994</b>	<b>1663.31</b>	<b>63</b>	<b>37.8</b>	<b>698.85</b>	<b>58</b>	<b>23.2</b>	<b>61</b>
<b>Average</b>			<b>38.23</b>	<b>63.97</b>	<b>2.42</b>	<b>1.45</b>	<b>65.34</b>	<b>2.23</b>	<b>0.89</b>	<b>2.35</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.35	3	1.64	0.9	2.54	5

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of BCA**  
**Under Graduate Program : BCA**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	BCA3501	ANDROID APPLICATION PROGRAMMING	73	9.59	1	0.6	57.53	2	0.8	1.4
	BCA3502	.NET PROGRAMMING	73	9.59	1	0.6	94.52	3	1.2	1.8
	BCA3503(A)	CLOUD COMPUTING	73	2.74	1	0.6	42.47	2	0.8	1.4
	BCA3504(B)	MACHINE LEARNING	73	9.59	1	0.6	91.78	3	1.2	1.8
	BCA3505	PROJECT	73	100	3	1.8	NA	NA	NA	1.8
	BCA3506	PRACTICAL-I	73	71.23	3	1.8	57.53	2	0.8	2.6
	BCA3507	PRACTICAL – II	73	76.71	3	1.8	50.68	2	0.8	2.6
	BCA3508	PRACTICAL-III	73	75.34	3	1.8	87.67	3	1.2	3
VI	BCA3601	DATA ANALYTICS USING PYTHON	73	5.48	1	0.6	86.3	3	1.2	1.8
	BCA3602	NOSQL DATABASES	73	20.55	1	0.6	89.04	3	1.2	1.8
	BCA3603(A)	BIG DATA	73	15.07	1	0.6	80.82	3	1.2	1.8
	BCA3604(A)	DATA MINING	73	23.29	1	0.6	54.79	2	0.8	1.4
	BCA3605	PROJECT	73	98.63	3	1.8	NA	NA	NA	1.8
	BCA3606	PRACTICAL - I	73	95.89	3	1.8	91.78	3	1.2	3
	BCA3607	PRACTICAL – II	73	82.19	3	1.8	80.82	3	1.2	3
<b>Total</b>			<b>1095</b>	<b>695.89</b>	<b>29</b>	<b>17.4</b>	<b>965.73</b>	<b>34</b>	<b>13.6</b>	<b>31</b>
<b>Average</b>			<b>73</b>	<b>46.39</b>	<b>1.93</b>	<b>1.16</b>	<b>64.38</b>	<b>2.27</b>	<b>0.91</b>	<b>2.07</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.07	3	1.45	0.9	2.35	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Dairy Technology**  
**Under Graduate Program : B.Voc. Dairy Technology**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	DT-501 T	QUALITY ASSURANCE AND WASTE MANAGEMENT	45	53.33	2	1.2	84.44	3	1.2	2.4
	DT-502 T	FAT RICH MILK PRODUCTS	45	71.11	3	1.8	88.89	3	1.2	3
	DT-503 T	DAIRY PLANT MANAGEMENT	45	35.56	1	0.6	42.22	2	0.8	1.4
	DT-5.1 P	QUALITY ASSURANCE AND WASTE MANAGEMENT-I	45	66.67	3	1.8	51.11	2	0.8	2.6
	DT-5.2 P	FAT RICH MILK PRODUCTS-I	45	68.89	3	1.8	64.44	3	1.2	3
	DT-5.3 P	PROJECT	45	91.11	3	1.8	62.22	3	1.2	3
VI	DT-601 T	DAIRY PRODUCT DEVELOPMENT	45	84.44	3	1.8	73.33	3	1.2	3
	DT-602 T	PACKAGING TECHNOLOGY	45	53.33	2	1.2	44.44	2	0.8	2
	DT-603 T	ENTREPRENEURSHIP DEVELOPMENT	45	77.78	3	1.8	82.22	3	1.2	3
	DT-6.1 P	DAIRY PRODUCT DEVELOPMENT-I	45	84.44	3	1.8	53.33	2	0.8	2.6
	DT-6.2 P	PACKAGING TECHNOLOGY-I	45	26.67	1	0.6	28.89	1	0.4	1
	DT-6.3 P	IN-PLANT TRAINING	45	95.56	3	1.8	84.44	3	1.2	3
<b>Total</b>			<b>540</b>	<b>808.89</b>	<b>30</b>	<b>18</b>	<b>759.97</b>	<b>30</b>	<b>12</b>	<b>30</b>
<b>Average</b>			<b>45</b>	<b>67.41</b>	<b>2.5</b>	<b>1.5</b>	<b>63.33</b>	<b>2.5</b>	<b>1</b>	<b>2.5</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
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Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.5	3	1.75	0.9	2.65	5

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







Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Electronics**  
**Under Graduate Program : B.Sc.Electronics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ELE3501	ADVANCED DIGITAL SYSTEM DESIGN USING VERILOG	10	10	1	0.6	100	3	1.2	1.8
	ELE3502	8051 MICROCONTROLLER	10	10	1	0.6	100	3	1.2	1.8
	ELE3503	ANALOG CIRCUIT DESIGN AND APPLICATIONS OF LINEAR ICS	10	10	1	0.6	100	3	1.2	1.8
	ELE3504	PRINCIPLES OF SEMICONDUCTOR DEVICES	10	10	1	0.6	100	3	1.2	1.8
	ELE3505	FUNDAMENTALS OF 'C' PROGRAMMING	10	10	1	0.6	100	3	1.2	1.8
	ELE3506	OPTICAL FIBER COMMUNICATION	10	10	1	0.6	100	3	1.2	1.8
	ELE3507	ELECTRONICS PRACTICAL-I	10	100	3	1.8	100	3	1.2	3
	ELE3508	ELECTRONICS PRACTICAL – II	10	80	3	1.8	100	3	1.2	3
	ELE3509	ELECTRONICS PRACTICAL – III (PROJECT)	10	90	3	1.8	100	3	1.2	3
VI	ELE3601	ADVANCED COMMUNICATION SYSTEMS	10	30	1	0.6	100	3	1.2	1.8
	ELE3602	8051 'C' PROGRAMMING AND EMBEDDED SYSTEMS	10	10	1	0.6	100	3	1.2	1.8
	ELE3603	POWER DEVICES AND CIRCUITS	10	20	1	0.6	100	3	1.2	1.8
	ELE3604	FOUNDATION OF NANO ELECTRONICS	10	30	1	0.6	100	3	1.2	1.8
	ELE3605	MATHEMATICAL METHODS AND CIRCUIT SIMULATION USING MATLAB	10	30	1	0.6	100	3	1.2	1.8
	ELE3606	INDUSTRIAL AUTOMATION	10				100	3	1.2	1.2
	ELE3607	ELECTRONICS PRACTICAL - I	10	100	3	1.8	100	3	1.2	3
	ELE3608	ELECTRONICS PRACTICAL – II	10	100	3	1.8	100	3	1.2	3
	ELE3609	ELECTRONICS PRACTICAL – III (PROJECT)	10	100	3	1.8	100	3	1.2	3

	<b>Total</b>	<b>180</b>	<b>730</b>	<b>27</b>	<b>16.2</b>	<b>1800</b>	<b>54</b>	<b>21.6</b>	<b>37.8</b>
	<b>Average</b>	<b>10</b>	<b>40.56</b>	<b>1.5</b>	<b>0.9</b>	<b>100</b>	<b>3</b>	<b>1.2</b>	<b>2.1</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.1	3	1.47	0.9	2.37	4

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Environment**  
**Under Graduate Program : B.Sc.Environment**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	EVS3501	ECOSYSTEM MANAGEMENT	3	66.67	3	1.8	100	3	1.2	3
	EVS3502	WILDLIFE BIOLOGY	3	66.67	3	1.8	100	3	1.2	3
	EVS3503	GEOSCIENCE	3	66.67	3	1.8	100	3	1.2	3
	EVS3504	NATURE CONSERVATION	3	66.67	3	1.8	100	3	1.2	3
	EVS3505	ENVIRONMENTAL GOVERNANCE, LAWS AND ETHICS	3	66.67	3	1.8	100	3	1.2	3
	EVS3506	ENVIRONMENTAL BIOTECHNOLOGY	3	66.67	3	1.8	100	3	1.2	3
	EVS3507	ENVIRONMENTAL SCIENCE PRACTICAL-I	3	66.67	3	1.8	66.67	3	1.2	3
	EVS3508	ENVIRONMENTAL SCIENCE PRACTICAL – II	3	66.67	3	1.8	66.67	3	1.2	3
	EVS3509	ENVIRONMENTAL SCIENCE PRACTICAL – III	3	100	3	1.8	66.67	3	1.2	3
VI	EVS3601	CLIMATE CHANGE	3	66.67	3	1.8	100	3	1.2	3
	EVS3602	ANALYTICAL METHODS	3	100	3	1.8	100	3	1.2	3
	EVS3603	SUSTAINABLE DEVELOPMENT	3	100	3	1.8	100	3	1.2	3
	EVS3604	ENVIRONMENTAL STATISTICS	3	66.67	3	1.8	100	3	1.2	3
	EVS3605	ENVIRONMENTAL RISK AND ASSESSMENT MANAGEMENT	3	66.67	3	1.8	100	3	1.2	3
	EVS3606	ENVIRONMENTAL ECONOMICS AND AUDIT	3	100	3	1.8	100	3	1.2	3
	EVS3607	ENVIRONMENTAL SCIENCE PRACTICAL - I	3	100	3	1.8	100	3	1.2	3
	EVS3608	ENVIRONMENTAL SCIENCE PRACTICAL – II	3	100	3	1.8	100	3	1.2	3
	EVS3609	PROJECT	3	100	3	1.8	100	3	1.2	3

	<b>Total</b>	<b>54</b>	<b>1433.37</b>	<b>54</b>	<b>32.4</b>	<b>700.01</b>	<b>54</b>	<b>21.6</b>	<b>54</b>
	<b>Average</b>	<b>3</b>	<b>79.63</b>	<b>3</b>	<b>1.8</b>	<b>94.44</b>	<b>3</b>	<b>1.2</b>	<b>3</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
3	3	2.1	0.9	3	5

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Defence Studies**  
**Under Graduate Program : B.A. Defence Studies**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	DEFGEN3501	INDIAS NATIONAL SECURITY IN 21ST CENTURY OR WAR AND CONTEMPORY WARFARE	22	22.73	1	0.6	45.45	2	0.8	1.4
	DEFSPL3502	INTERNATIONAL AND REGIONAL ORGANIZATIONS	5	20	1	0.6	100	3	1.2	1.8
	DEFSPL3503	DEFENCE ECONOMICS	5	60	3	1.8	80	3	1.2	3
VI	DEFGEN3601	INDIAS NATIONAL SECURITY IN 21ST CENTURY OR WAR AND CONTEMPORY WARFARE	22	63.64	3	1.8	45.45	2	0.8	2.6
	DEFSPL3602	INTERNATIONAL AND REGIONAL ORGANIZATIONS	5	80	3	1.8	60	3	1.2	3
	DEFSPL3603	DEFENCE ECONOMICS	5	60	3	1.8	60	3	1.2	3
<b>Total</b>			<b>64</b>	<b>306.37</b>	<b>14</b>	<b>8.4</b>	<b>390.9</b>	<b>16</b>	<b>6.4</b>	<b>14.8</b>
<b>Average</b>			<b>10.67</b>	<b>51.06</b>	<b>2.33</b>	<b>1.4</b>	<b>65.15</b>	<b>2.67</b>	<b>1.07</b>	<b>2.47</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
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Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.47	3	1.73	0.9	2.63	5

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of E-Commerce**  
**Under Graduate Program : B.Voc.E-Commerce**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ECDM-501T	ENTREPRENEURSHIP DEVELOPMENT & PROJECT MANAGEMENT	9	77.78	3	1.8	100	3	1.2	3
	ECDM-502T	MARKETING RESEARCH	9	77.78	3	1.8	100	3	1.2	3
	ECDM-503T	HUMAN RESOURCES MANAGEMENT	9	88.89	3	1.8	100	3	1.2	3
	ECDM-504P	SOCIAL MEDIA MARKETING-II	9	100	3	1.8	100	3	1.2	3
	ECDM-505P	GRAPHICS DESIGNS FOR DIGITAL MARKETING	9	100	3	1.8	100	3	1.2	3
	ECDM-506P	PROJECT-I PROJECT REPORT ON SOCIAL MEDIA MARKETING	9	100	3	1.8	100	3	1.2	3
VI	ECDM-601T	DIGITAL MEDIA AND THE LAW	9	55.56	2	1.2	100	3	1.2	2.4
	ECDM-602T	INTEGRATED MARKETING COMMUNICATION	9	55.56	2	1.2	100	3	1.2	2.4
	ECDM-603T	ADVANCE DIGITAL MARKETING - I	9	55.56	2	1.2	100	3	1.2	2.4
	ECDM-604P	ADVANCE DIGITAL MARKETING - II	9	100	3	1.8	100	3	1.2	3
	ECDM-605P	PROJECT - II PROJECT REPORT ON WEB DEVELOPMENT	9	100	3	1.8	100	3	1.2	3
	ECDM-606P	PROJECT - III PROJECT REPORT ON ADVANCE DIGITAL MARKETING	9	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>108</b>	<b>1011.13</b>	<b>33</b>	<b>19.8</b>	<b>1200</b>	<b>36</b>	<b>14.4</b>	<b>34.2</b>
<b>Average</b>			<b>9</b>	<b>84.26</b>	<b>2.75</b>	<b>1.65</b>	<b>100</b>	<b>3</b>	<b>1.2</b>	<b>2.85</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.85	3	2	0.9	2.9	5

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Environment**  
**Under Graduate Program : B.Sc.Environment**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	EVS3501	ECOSYSTEM MANAGEMENT	3	66.67	3	1.8	100	3	1.2	3
	EVS3502	WILDLIFE BIOLOGY	3	66.67	3	1.8	100	3	1.2	3
	EVS3503	GEOSCIENCE	3	66.67	3	1.8	100	3	1.2	3
	EVS3504	NATURE CONSERVATION	3	66.67	3	1.8	100	3	1.2	3
	EVS3505	ENVIRONMENTAL GOVERNANCE, LAWS AND ETHICS	3	66.67	3	1.8	100	3	1.2	3
	EVS3506	ENVIRONMENTAL BIOTECHNOLOGY	3	66.67	3	1.8	100	3	1.2	3
	EVS3507	ENVIRONMENTAL SCIENCE PRACTICAL-I	3	66.67	3	1.8	66.67	3	1.2	3
	EVS3508	ENVIRONMENTAL SCIENCE PRACTICAL – II	3	66.67	3	1.8	66.67	3	1.2	3
	EVS3509	ENVIRONMENTAL SCIENCE PRACTICAL – III	3	100	3	1.8	66.67	3	1.2	3
VI	EVS3601	CLIMATE CHANGE	3	66.67	3	1.8	100	3	1.2	3
	EVS3602	ANALYTICAL METHODS	3	100	3	1.8	100	3	1.2	3
	EVS3603	SUSTAINABLE DEVELOPMENT	3	100	3	1.8	100	3	1.2	3
	EVS3604	ENVIRONMENTAL STATISTICS	3	66.67	3	1.8	100	3	1.2	3
	EVS3605	ENVIRONMENTAL RISK AND ASSESSMENT MANAGEMENT	3	66.67	3	1.8	100	3	1.2	3
	EVS3606	ENVIRONMENTAL ECONOMICS AND AUDIT	3	100	3	1.8	100	3	1.2	3
	EVS3607	ENVIRONMENTAL SCIENCE PRACTICAL - I	3	100	3	1.8	100	3	1.2	3
	EVS3608	ENVIRONMENTAL SCIENCE PRACTICAL – II	3	100	3	1.8	100	3	1.2	3
	EVS3609	PROJECT	3	100	3	1.8	100	3	1.2	3

	<b>Total</b>	<b>54</b>	<b>1433.37</b>	<b>54</b>	<b>32.4</b>	<b>1700.01</b>	<b>54</b>	<b>21.6</b>	<b>54</b>
	<b>Average</b>	<b>3</b>	<b>79.63</b>	<b>3</b>	<b>1.8</b>	<b>94.44</b>	<b>3</b>	<b>1.2</b>	<b>3</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
3	3	2.1	0.9	3	5

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Yoga**  
**Under Graduate Program : B.A. Yoga**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	YOGGEN3501	YOGA VIDYA-I	25	72	3	1.8	92	3	1.2	3
VI	YOGGEN3601	YOGA VIDYA - I	25	80	3	1.8	100	3	1.2	3
<b>Total</b>			<b>50</b>	<b>152</b>	<b>6</b>	<b>3.6</b>	<b>192</b>	<b>6</b>	<b>2.4</b>	<b>6</b>
<b>Average</b>			<b>25</b>	<b>76</b>	<b>3</b>	<b>1.8</b>	<b>96</b>	<b>3</b>	<b>1.2</b>	<b>3</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
3	3	2.1	0.9	3	5

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Philosophy**  
**Under Graduate Program : B.A. Philosophy**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	PHILGEN3501	MODERN INDIAN PHILOSOPHER	11	36.36	1	0.6	81.82	3	1.2	1.8
	PHILSPL3502	INDIAN & WESTERN PHILOSOPHY	6	16.67	1	0.6	83.33	3	1.2	1.8
	PHILSPL3503	JAIN PHILOSOPHY	6	16.67	1	0.6	83.33	3	1.2	1.8
VI	PHILGEN3601	MODERN INDIAN PHILOSOPHER	11	18.18	1	0.6	90.91	3	1.2	1.8
	PHILSPL3602	INDIAN & WESTERN PHILOSOPHY	6	33.33	1	0.6	100	3	1.2	1.8
	PHILSPL3603	JAIN PHILOSOPHY	6	50	2	1.2	100	3	1.2	2.4
<b>Total</b>			<b>46</b>	<b>171.21</b>	<b>7</b>	<b>4.2</b>	<b>539.39</b>	<b>18</b>	<b>7.2</b>	<b>11.4</b>
<b>Average</b>			<b>7.67</b>	<b>28.53</b>	<b>1.17</b>	<b>0.7</b>	<b>89.9</b>	<b>3</b>	<b>1.2</b>	<b>1.9</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.9	3	1.33	0.9	2.23	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Retail**  
**Under Graduate Program : B.Voc.Retail**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	RM-1501 T	MARKETING RESEARCH	32	21.88	1	0.6	25	1	0.4	1
	RM-1502 T	BANK FINANCE	32	37.5	1	0.6	46.88	2	0.8	1.4
	RM-1503 T	HUMAN RESOURCE MANAGEMENT FOR RETAIL MANAGEMENT	32	31.25	1	0.6	25	1	0.4	1
	RM-1504 P	INTERNSHIP	32	46.88	2	1.2	62.5	3	1.2	2.4
	RM-1505 P	MATERIAL AND LOGISTICS MANAGEMENT	32	21.88	1	0.6	28.12	1	0.4	1
	RM-1506 P	RETAIL STORE OPERATION-III	32	46.88	2	1.2	53.12	2	0.8	2
VI	RM-1601 T	MARKETING MANAGEMENT	32	37.5	1	0.6	50	2	0.8	1.4
	RM-1602 T	RETAIL FINANCIAL SERVICES	32	71.88	3	1.8	68.75	3	1.2	3
	RM-1603 T	ENTREPRENEURSHIP DEVELOPMENT	32	43.75	2	1.2	43.75	2	0.8	2
	RM-1604 P	INTERNSHIP	32	78.12	3	1.8	81.25	3	1.2	3
	RM-1605 P	E-COMMERCE AND DIGITAL MARKETING	32	25	1	0.6	34.38	1	0.4	1
	RM-1606 P	RETAIL STORE OPERATION-IV	32	46.88	2	1.2	56.25	2	0.8	2
<b>Total</b>			<b>384</b>	<b>509.4</b>	<b>20</b>	<b>12</b>	<b>575</b>	<b>23</b>	<b>9.2</b>	<b>21.2</b>
<b>Average</b>			<b>32</b>	<b>42.45</b>	<b>1.67</b>	<b>1</b>	<b>47.92</b>	<b>1.92</b>	<b>0.77</b>	<b>1.77</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.77	3	1.24	0.9	2.14	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Sanskrit**  
**Under Graduate Program : B.A.Sanskrit**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	SANGEN3501	SANSKRIT BHASHA PRABODH-I	7	14.29	1	0.6	85.71	3	1.2	1.8
VI	SANGEN3601	SANSKRIT BHASHA PRABODH - II	7	28.57	1	0.6	42.86	2	0.8	1.4
<b>Total</b>			<b>14</b>	<b>42.86</b>	<b>2</b>	<b>1.2</b>	<b>128.57</b>	<b>5</b>	<b>2</b>	<b>3.2</b>
<b>Average</b>			<b>7</b>	<b>21.43</b>	<b>1</b>	<b>0.6</b>	<b>64.28</b>	<b>2.5</b>	<b>1</b>	<b>1.6</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.6	3	1.12	0.9	2.02	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Sociology**  
**Under Graduate Program : B.A.Sociology**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	SOCGEN3501	WORK AND SOCIETY / CRIME AND SOCIETY	38	36.84	1	0.6	86.84	3	1.2	1.8
SOC	SPL3502	SOCIAL RESEARCH METHODS	12	25	1	0.6	83.33	3	1.2	1.8
SOC	SPL3503	CONTEMPORARY INDIAN SOCIETY	12	70	3	1.8	91.67	3	1.2	3
VI	SOCGEN3601	WORK AND SOCIETY / CRIME AND SOCIETY	38	57.89	2	1.2	89.47	3	1.2	2.4
SOC	SPL3602	SOCIAL RESEARCH METHODS	12	16.67	1	0.6	66.67	3	1.2	1.8
SOC	SPL3603	CONTEMPORARY INDIAN SOCIETY	12	50	2	1.2	75	3	1.2	2.4
<b>Total</b>			<b>124</b>	<b>186.4</b>	<b>7</b>	<b>4.2</b>	<b>492.98</b>	<b>18</b>	<b>7.2</b>	<b>11.4</b>
<b>Average</b>			<b>20.67</b>	<b>31.07</b>	<b>1.17</b>	<b>0.7</b>	<b>82.16</b>	<b>3</b>	<b>1.2</b>	<b>1.9</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.9	3	1.33	0.9	2.23	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Food Processing**  
**Under Graduate Program : B.Voc.Food Processing**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	FP-13 T	DAIRY TECHNOLOGY	44	70.45	3	1.8	100	3	1.2	3
	FP-14 T	FOOD QUALITY, LAWS AND REGULATIONS	44	43.18	2	1.2	100	3	1.2	2.4
	FP-15 T	PRINCIPLE OF POST HARVEST TECHNOLOGY	44	65.91	3	1.8	100	3	1.2	3
	FP-5.1 P	PRACTICAL OF DAIRY TECHNOLOGY	44	36.36	1	0.6	100	3	1.2	1.8
	FP-5.2 P	ENTREPRENEURSHIP DEVELOPMENT	44	34.09	1	0.6	100	3	1.2	1.8
	FP-5.3 P	PROJECT	44	52.27	2	1.2	100	3	1.2	2.4
VI	FP-16 T	ANIMAL PRODUCT TECHNOLOGY	44	86.36	3	1.8	97.73	3	1.2	3
	FP-17 T	FOOD, SAFETY, HYGIENE AND SANITATION	44	72.73	3	1.8	97.73	3	1.2	3
	FP-18 T	PACKAGING TECHNOLOGY	44	61.36	3	1.8	97.73	3	1.2	3
	FP-6.1 P	ANIMAL PRODUCT TECHNOLOGY	44	9.09	1	0.6	97.73	3	1.2	1.8
	FP-6.2 P	PRACTICAL OF PACKAGING TECHNOLOGY	44	25	1	0.6	97.73	3	1.2	1.8
	FP-6.3 P	INTERNSHIP	44	25	1	0.6	97.73	3	1.2	1.8
<b>Total</b>			<b>528</b>	<b>581.8</b>	<b>24</b>	<b>14.4</b>	<b>186.36</b>	<b>36</b>	<b>14.4</b>	<b>28.8</b>
<b>Average</b>			<b>44</b>	<b>48.48</b>	<b>2</b>	<b>1.2</b>	<b>98.86</b>	<b>3</b>	<b>1.2</b>	<b>2.4</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Website - [www.tccollege.org](http://www.tccollege.org)

Contact – 02112-222405 / 223635



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.4	3	1.68	0.9	2.58	5

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Journalism**  
**Under Graduate Program : B.Voc.Journalism**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	JR-501 T	INTRODUCTION TO DIGITAL MEDIA	21	23.81	1	0.6	66.67	3	1.2	1.8
	JR-502 T	INTRODUCTION TO MEDIA RESEARCH	21	19.05	1	0.6	90.48	3	1.2	1.8
	JR-503 T	MASS COMMUNICATION THEORY	21	4.76	1	0.6	38.1	1	0.4	1
	JR-504 P	CONTENT DEVELOPMENT FOR DIGITAL MEDIA	21	71.43	3	1.8	80.95	3	1.2	3
	JR-505 P	VIDEO PRODUCTION PROJECT	21	38.1	1	0.6	28.57	1	0.4	1
	JR-506 P	INDUSTRY INTERNSHIP	21	71.43	3	1.8	NA	NA	NA	1.8
VI	JR-601 T	BASICS OF ADVERTISING	21	23.81	1	0.6	23.81	1	0.4	1
	JR-602 T	BASICS OF PUBLIC RELATIONS	21	19.05	1	0.6	61.9	3	1.2	1.8
	JR-603 T	MEDIA MANAGEMENT	21	19.05	1	0.6	66.67	3	1.2	1.8
	JR-604 P	ADVERTISING PRACTICES	21	57.14	2	1.2	85.71	3	1.2	2.4
	JR-605 P	DISSERTATION/IN-DEPTH REPORTING (IDR)	21	90.48	3	1.8	85.71	3	1.2	3
	JR-606 P	INTERNSHIP	21	90.48	3	1.8	NA	NA	NA	1.8
<b>Total</b>			<b>252</b>	<b>528.59</b>	<b>21</b>	<b>12.6</b>	<b>628.57</b>	<b>24</b>	<b>9.6</b>	<b>22.2</b>
<b>Average</b>			<b>21</b>	<b>44.05</b>	<b>1.75</b>	<b>1.05</b>	<b>52.38</b>	<b>2</b>	<b>0.8</b>	<b>1.85</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

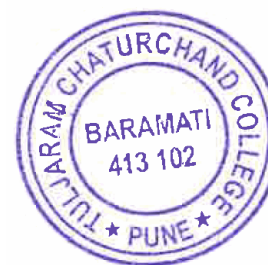
Website - [www.tccollege.org](http://www.tccollege.org)

Contact – 02112-222405 / 223635

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.85	3	1.3	0.9	2.2	4

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Computer Science**  
**Under Graduate Program : B.Sc. Computer Science**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	CSCO3501	SYSTEM PROGRAMMING & OPERATING SYSTEM	128	17.19	1	0.6	90.62	3	1.2	1.8
	CSCO3502	THEORETICAL COMPUTER SCIENCE	128	21.09	1	0.6	92.97	3	1.2	1.8
	CSCO3503	COMPUTER NETWORKS-I	128	24.22	1	0.6	82.03	3	1.2	1.8
	CSCO3504	WEB DEVELOPMENT – I	128	11.72	1	0.6	70.31	3	1.2	1.8
	CSCO3505	ADVANCED PROGRAMMING IN JAVA	128	4.69	1	0.6	75.78	3	1.2	1.8
	CSCO3506	OBJECT ORIENTED SOFTWARE ENGINEERING	128	23.44	1	0.6	96.09	3	1.2	1.8
	CSCO3507	LAB COURSE I: BASED ON CSCO3501	128	35.16	1	0.6	91.41	3	1.2	1.8
	CSCO3508	LAB COURSE II: BASED ON CSCO3505	128	40.62	2	1.2	36.72	1	0.4	1.6
	CSCO3509	LAB COURSE III: BASED ON CSCO3504	128	46.09	2	1.2	58.59	2	0.8	2
VI	CSCO3601	ADVANCED OPERATING SYSTEM	128	25	1	0.6	87.5	3	1.2	1.8
	CSCO3602	COMPILER CONSTRUCTION	128	45.31	2	1.2	82.81	3	1.2	2.4
	CSCO3603	COMPUTER NETWORKS - II	128	54.69	2	1.2	84.38	3	1.2	2.4
	CSCO3604	WEB DEVELOPMENT-II	128	28.12	1	0.6	92.19	3	1.2	1.8
	CSCO3605	ADVANCED JAVA TECHNOLOGIES – FRAMEWORKS	128	23.44	1	0.6	76.56	3	1.2	1.8
	CSCO3606	SOFTWARE METRICS & PROJECT MANAGEMENT	128	46.09	2	1.2	94.53	3	1.2	2.4
	CSCO3607	LAB COURSE I: BASED ON CSCO3601	128	47.66	2	1.2	75.78	3	1.2	2.4
	CSCO3608	LAB COURSE II: BASED ON CSCO3605 & MINI PROJECT USING JAVA	128	41.41	2	1.2	60.16	3	1.2	2.4
	CSCO3609	LAB COURSE III: BASED ON CSCO3604 & MINI PROJECT USING PHP.	128	78.91	3	1.8	76.56	3	1.2	3

	<b>Total</b>	<b>2304</b>	<b>614.85</b>	<b>27</b>	<b>16.2</b>	<b>424.95</b>	<b>51</b>	<b>20.4</b>	<b>36.6</b>
	<b>Average</b>	<b>128</b>	<b>34.16</b>	<b>1.5</b>	<b>0.9</b>	<b>79.17</b>	<b>2.83</b>	<b>1.13</b>	<b>2.03</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.03	3	1.42	0.9	2.32	4

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Statistics**

**Under Graduate Program : B.Sc. Statistics**

**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	STAT3501	DISTRIBUTION THEORY	36	52.78	2	1.2	97.22	3	1.2	2.4
	STAT3502	STATISTICAL INFERENCE- I	36	50	2	1.2	100	3	1.2	2.4
	STAT3503	SAMPLING METHODS	36	22.22	1	0.6	94.44	3	1.2	1.8
	STAT3504	DESIGN OF EXPERIMENTS	36	61.11	3	1.8	100	3	1.2	3
	STAT3505	C- PROGRAMMING	36	30.56	1	0.6	100	3	1.2	1.8
	STAT3506(A)	INTRODUCTION TO STOCHASTIC PROCESSES	36	47.22	2	1.2	94.44	3	1.2	2.4
	STAT3507	STATISTICS PRACTICAL- V	36	91.67	3	1.8	100	3	1.2	3
	STAT3508	STATISTICS PRACTICAL- VI	36	100	3	1.8	100	3	1.2	3
	STAT3509	STATISTICS PRACTICAL- VII	36	97.22	3	1.8	100	3	1.2	3
VI	STAT3601	INTRODUCTION TO REGRESSION ANALYSIS	36	72.22	3	1.8	94.44	3	1.2	3
	STAT3602	STATISTICAL INFERENCE- II	36	69.44	3	1.8	88.89	3	1.2	3
	STAT3603	STATISTICAL QUALITY CONTROL AND RELIABILITY	36	75	3	1.8	86.11	3	1.2	3
	STAT3604	OPERATIONS RESEARCH	36	80.56	3	1.8	94.44	3	1.2	3
	STAT3605	STATISTICAL COMPUTING USING R- SOFTWARE	36	80.56	3	1.8	100	3	1.2	3
	STAT3606(B)	ACTUARIAL STATISTICS	36	50	2	1.2	86.11	3	1.2	2.4
	STAT3607	STATISTICS PRACTICAL- VIII	36	75	3	1.8	97.22	3	1.2	3
	STAT3608	STATISTICS PRACTICAL- IX	36	91.67	3	1.8	97.22	3	1.2	3
	STAT3609	PROJECT	36	100	3	1.8	100	3	1.2	3

	<b>Total</b>	<b>648</b>	<b>1247.23</b>	<b>46</b>	<b>27.6</b>	<b>730.53</b>	<b>54</b>	<b>21.6</b>	<b>49.2</b>
	<b>Average</b>	<b>36</b>	<b>69.29</b>	<b>2.56</b>	<b>1.53</b>	<b>96.14</b>	<b>3</b>	<b>1.2</b>	<b>2.73</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.73	3	1.91	0.9	2.81	5

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Zoology**

**Under Graduate Program : B.Sc. Zoology**

**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ZOO3501	ANIMAL SYSTEMATICS & DIVERSITY-V	46	17.39	1	0.6	86.96	3	1.2	1.8
	ZOO3502	MAMMALIAN HISTOLOGY	46	36.96	1	0.6	89.13	3	1.2	1.8
	ZOO3503	BIOCHEMISTRY	46	23.91	1	0.6	67.39	3	1.2	1.8
	ZOO3504	ENVIRONMENTAL BIOLOGY & TOXICOLOGY	46	43.48	2	1.2	91.3	3	1.2	2.4
	ZOO3505	PARASITOLOGY	46	28.26	1	0.6	80.43	3	1.2	1.8
	ZOO3506	CELL BIOLOGY	46	13.04	1	0.6	63.04	3	1.2	1.8
	ZOO3507	ZOOLOGY PRACTICAL-V	46	41.3	2	1.2	91.3	3	1.2	2.4
	ZOO3508	ZOOLOGY PRACTICAL-VI	46	63.04	3	1.8	95.65	3	1.2	3
	ZOO3509	ZOOLOGY PRACTICAL-VII	46	47.83	2	1.2	78.26	3	1.2	2.4
VI	ZOO3601	BIOLOGICAL TECHNIQUES	46	43.48	2	1.2	89.13	3	1.2	2.4
	ZOO3602	MAMMALIAN PHYSIOLOGY & ENDOCRINOLOGY	46	32.61	1	0.6	86.96	3	1.2	1.8
	ZOO3603	GENETICS & MOLECULAR BIOLOGY	46	41.3	2	1.2	84.78	3	1.2	2.4
	ZOO3604	ORGANIC EVOLUTION	46	39.13	1	0.6	80.43	3	1.2	1.8
	ZOO3605	GENERAL EMBRYOLOGY	46	36.96	1	0.6	97.83	3	1.2	1.8
	ZOO3606	MEDICAL ENTOMOLOGY	46	28.26	1	0.6	100	3	1.2	1.8
	ZOO3607	ZOOLOGY PRACTICAL-VIII	46	67.39	3	1.8	93.48	3	1.2	3
	ZOO3608	ZOOLOGY PRACTICAL-IX	46	67.39	3	1.8	97.83	3	1.2	3
	ZOO3609	PROJECT	46	52.17	2	1.2	91.3	3	1.2	2.4

	<b>Total</b>	<b>828</b>	<b>723.9</b>	<b>30</b>	<b>18</b>	<b>1565.2</b>	<b>54</b>	<b>21.6</b>	<b>39.6</b>
	<b>Average</b>	<b>46</b>	<b>40.22</b>	<b>1.67</b>	<b>1</b>	<b>86.96</b>	<b>3</b>	<b>1.2</b>	<b>2.2</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.2	3	1.54	0.9	2.44	4

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Botany**  
**Under Graduate Program : B.Sc. Botany**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	BOT3501	CRYPTOGAMIC BOTANY (ALGAE, FUNGI, BRYOPHYTES & PTERIDOPHYTES)	37	35.14	1	0.6	89.19	3	1.2	1.8
	BOT3502	SPERMATOPHYTES AND PALAEOBOTANY	37	8.11	1	0.6	78.38	3	1.2	1.8
	BOT3503	CELL AND MOLECULAR BIOLOGY	37	24.32	1	0.6	100	3	1.2	1.8
	BOT3504	INDUSTRIAL BOTANY	37	67.57	3	1.8	94.59	3	1.2	3
	BOT3505	BIOSTATISTICS	37	16.22	1	0.6	100	3	1.2	1.8
	BOT3506	RESEARCH METHODOLOGY	37	21.62	1	0.6	43.24	2	0.8	1.4
	BOT3507	BOTANY PRACTICAL-I	37	64.86	3	1.8	43.24	2	0.8	2.6
	BOT3508	BOTANY PRACTICAL-II	37	78.38	3	1.8	59.46	2	0.8	2.6
	BOT3509	BOTANY PRACTICAL-III	37	67.57	3	1.8	62.16	3	1.2	3
VI	BOT3601	PLANT PHYSIOLOGY AND BIOCHEMISTRY	37	24.32	1	0.6	45.95	2	0.8	1.4
	BOT3602	PLANT BIOTECHNOLOGY	37	21.62	1	0.6	51.35	2	0.8	1.4
	BOT3603	GENETICS AND PLANT BREEDING	37	18.92	1	0.6	54.05	2	0.8	1.4
	BOT3604	PLANT PATHOLOGY	37	48.65	2	1.2	81.08	3	1.2	2.4
	BOT3605	PHARMACOGNOSY	37	29.73	1	0.6	94.59	3	1.2	1.8
	BOT3606	BOTANICAL TECHNIQUES	37	21.62	1	0.6	100	3	1.2	1.8
	BOT3607	BOTANY PRACTICAL - I	37	70.27	3	1.8	59.46	2	0.8	2.6
	BOT3608	BOTANY PRACTICAL - II	37	89.19	3	1.8	40.54	2	0.8	2.6
	BOT3609	PROJECT	37	89.19	3	1.8	27.03	1	0.4	2.2

	<b>Total</b>	<b>666</b>	<b>797.3</b>	<b>33</b>	<b>19.8</b>	<b>224.31</b>	<b>44</b>	<b>17.6</b>	<b>37.4</b>
	<b>Average</b>	<b>37</b>	<b>44.29</b>	<b>1.83</b>	<b>1.1</b>	<b>68.02</b>	<b>2.44</b>	<b>0.98</b>	<b>2.08</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.08	3	1.46	0.9	2.36	4

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Chemistry**  
**Under Graduate Program : B.Sc. Chemistry**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	CHEM3501	PHYSICAL CHEMISTRY- I	64	35.94	1	0.6	93.75	3	1.2	1.8
	CHEM3502	INORGANIC CHEMISTRY-I	64	34.38	1	0.6	98.44	3	1.2	1.8
	CHEM3503	ORGANIC CHEMISTRY-I	64	12.5	1	0.6	73.44	3	1.2	1.8
	CHEM3504	ANALYTICAL CHEMISTRY-I	64	32.81	1	0.6	90.62	3	1.2	1.8
	CHEM3505	INDUSTRIAL CHEMISTRY-I	64	51.56	2	1.2	93.75	3	1.2	2.4
	CHEM3506(D)	ENVIRONMENTAL AND GREEN CHEMISTRY-I	64	23.44	1	0.6	85.94	3	1.2	1.8
	CHEM3507	PHYSICAL CHEMISTRY PRACTICAL-I	64	92.19	3	1.8	96.88	3	1.2	3
	CHEM3508	INORGANIC CHEMISTRY PRACTICAL- I	64	98.44	3	1.8	92.19	3	1.2	3
	CHEM3509	ORGANIC CHEMISTRY PRACTICAL-I	64	89.06	3	1.8	90.62	3	1.2	3
VI	CHEM3601	PHYSICAL CHEMISTRY- II	64	37.5	1	0.6	98.44	3	1.2	1.8
	CHEM3602	INORGANIC CHEMISTRY-II	64	43.75	2	1.2	98.44	3	1.2	2.4
	CHEM3603	ORGANIC CHEMISTRY-II	64	18.75	1	0.6	90.62	3	1.2	1.8
	CHEM3604	ANALYTICAL CHEMISTRY-II	64	54.69	2	1.2	98.44	3	1.2	2.4
	CHEM3605	INDUSTRIAL CHEMISTRY-II	64	37.5	1	0.6	95.31	3	1.2	1.8
	CHEM3606(D)	ENVIRONMENTAL AND GREEN CHEMISTRY-II	64	28.12	1	0.6	95.31	3	1.2	1.8
	CHEM3607	PHYSICAL CHEMISTRY PRACTICAL-II OR PHYSICAL CHEMISTRY PROJECT	64	95.31	3	1.8	100	3	1.2	3
	CHEM3608	INORGANIC CHEMISTRY PRACTICAL- II OR INORGANIC CHEMISTRY PROJECT	64	85.94	3	1.8	100	3	1.2	3
	CHEM3609	ORGANIC CHEMISTRY PRACTICAL – II OR ORGANIC CHEMISTRY PROJECT	64	92.19	3	1.8	98.44	3	1.2	3



	<b>Total</b>	<b>1152</b>	<b>964.07</b>	<b>33</b>	<b>19.8</b>	<b>690.63</b>	<b>54</b>	<b>21.6</b>	<b>41.4</b>
	<b>Average</b>	<b>64</b>	<b>53.56</b>	<b>1.83</b>	<b>1.1</b>	<b>93.92</b>	<b>3</b>	<b>1.2</b>	<b>2.3</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.3	3	1.61	0.9	2.51	5

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Commerce**  
**Under Graduate Program : B.Com.**

**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	COMBRF3501	BUSINESS REGULATORY FRAMEWORK-I	459	18.95	1	0.6	59.04	2	0.8	1.4
	COMAA3502	ADVANCED ACCOUNTING-I	459	13.94	1	0.6	44.44	2	0.8	1.4
	COMIE3503	INTERNATIONAL ECONOMICS-I	459	19.83	1	0.6	72.77	3	1.2	1.8
	COMA3504	AUDITING	459	15.03	1	0.6	39.65	1	0.4	1
	COMMM3505A	MARKETING MANAGEMENT-III	120	14.17	1	0.6	46.67	2	0.8	1.4
	COMCWA3505	COST AND WORKS ACCOUNTING-III	117	34.19	1	0.6	40.17	2	0.8	1.4
	COMBF3505C	BANKING AND FINANCE-III	177	26.55	1	0.6	53.67	2	0.8	1.4
	COMBS3505D	BUSINESS STATISTICS-III	45	17.78	1	0.6	46.67	2	0.8	1.4
	COMMM3506A	MARKETING MANAGEMENT-IV	120	12.5	1	0.6	64.17	3	1.2	1.8
	COMCWA3506	COST AND WORKS ACCOUNTING-IV	117	43.59	2	1.2	62.39	3	1.2	2.4
	COMBF3506C	BANKING AND FINANCE-IV	177	24.86	1	0.6	89.83	3	1.2	1.8
	COMBS3506D	BUSINESS STATISTICS-IV	45	31.11	1	0.6	62.22	3	1.2	1.8
VI	COMBRF3601	BUSINESS REGULATORY FRAMEWORK-II	459	37.25	1	0.6	53.81	2	0.8	1.4
	COMAA3602	ADVANCED ACCOUNTING - II	459	37.47	1	0.6	57.3	2	0.8	1.4
	COMIE3603	INTERNATIONAL ECONOMICS - II	459	23.97	1	0.6	85.19	3	1.2	1.8
	COMT3604	TAXATION	459	51.2	2	1.2	58.39	2	0.8	2
	COMMM3605A	MARKETING MANAGEMENT - V	120	33.33	1	0.6	58.33	2	0.8	1.4
	COMCWA3605	COST AND WORKS ACCOUNTING - V	117	46.15	2	1.2	61.54	3	1.2	2.4
	COMBF3605C	BANKING AND FINANCE - V	177	34.46	1	0.6	42.94	2	0.8	1.4

VI	COMBS3605D	BUSINESS STATISTICS - V	45	35.56	1	0.6	60	3	1.2	1.8
	COMMM3606A	MARKETING MANAGEMENT - VI	120	11.67	1	0.6	54.17	2	0.8	1.4
	COMCWA3606	COST AND WORKS ACCOUNTING- VI	117	39.32	1	0.6	45.3	2	0.8	1.4
	COMBF3606C	BANKING AND FINANCE – VI	177	41.81	2	1.2	96.05	3	1.2	2.4
	COMBS3606D	BUSINESS STATISTICS - VI	45	33.33	1	0.6	80	3	1.2	1.8
<b>Total</b>			<b>5508</b>	<b>698.02</b>	<b>28</b>	<b>16.8</b>	<b>1434.71</b>	<b>57</b>	<b>22.8</b>	<b>39.6</b>
<b>Average</b>			<b>229.5</b>	<b>29.08</b>	<b>1.17</b>	<b>0.7</b>	<b>59.78</b>	<b>2.38</b>	<b>0.95</b>	<b>1.65</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.65	3	1.16	0.9	2.06	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Economics**  
**Under Graduate Program : B.A.Economics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ECOGEN3501	ECONOMIC DEVELOPMENT AND PLANNING-I	62	20.97	1	0.6	64.52	3	1.2	1.8
	ECOSPL3502	INTERNATIONAL ECONOMICS-I	32	9.38	1	0.6	75	3	1.2	1.8
	ECOSPL3503	ELEMENTARY QUANTITATIVE TECHNIQUE-I	32	15.62	1	0.6	53.12	2	0.8	1.4
VI	ECOGEN3601	ECONOMIC DEVELOPMENT AND PLANNING-II	62	12.9	1	0.6	58.06	2	0.8	1.4
	ECOSPL3602	INTERNATIONAL ECONOMICS-II	32	18.75	1	0.6	75	3	1.2	1.8
	ECOSPL3603	ELEMENTARY QUANTITATIVE TECHNIQUE-II	32	21.88	1	0.6	40.62	2	0.8	1.4
<b>Total</b>			<b>252</b>	<b>99.5</b>	<b>6</b>	<b>3.6</b>	<b>366.32</b>	<b>15</b>	<b>6</b>	<b>9.6</b>
<b>Average</b>			<b>42</b>	<b>16.58</b>	<b>1</b>	<b>0.6</b>	<b>61.05</b>	<b>2.5</b>	<b>1</b>	<b>1.6</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.6	3	1.12	0.9	2.02	4

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Electronics**

**Under Graduate Program : B.Sc.Electronics**

**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ELE3501	ADVANCED DIGITAL SYSTEM DESIGN USING VERILOG	10	10	1	0.6	100	3	1.2	1.8
	ELE3502	8051 MICROCONTROLLER	10	10	1	0.6	100	3	1.2	1.8
	ELE3503	ANALOG CIRCUIT DESIGN AND APPLICATIONS OF LINEAR ICS	10	10	1	0.6	100	3	1.2	1.8
	ELE3504	PRINCIPLES OF SEMICONDUCTOR DEVICES	10	10	1	0.6	100	3	1.2	1.8
	ELE3505	FUNDAMENTALS OF 'C' PROGRAMMING	10	10	1	0.6	100	3	1.2	1.8
	ELE3506	OPTICAL FIBER COMMUNICATION	10	10	1	0.6	100	3	1.2	1.8
	ELE3507	ELECTRONICS PRACTICAL-I	10	100	3	1.8	100	3	1.2	3
	ELE3508	ELECTRONICS PRACTICAL – II	10	80	3	1.8	100	3	1.2	3
	ELE3509	ELECTRONICS PRACTICAL – III (PROJECT)	10	90	3	1.8	100	3	1.2	3
VI	ELE3601	ADVANCED COMMUNICATION SYSTEMS	10	30	1	0.6	100	3	1.2	1.8
	ELE3602	8051 'C' PROGRAMMING AND EMBEDDED SYSTEMS	10	10	1	0.6	100	3	1.2	1.8
	ELE3603	POWER DEVICES AND CIRCUITS	10	20	1	0.6	100	3	1.2	1.8
	ELE3604	FOUNDATION OF NANO ELECTRONICS	10	30	1	0.6	100	3	1.2	1.8
	ELE3605	MATHEMATICAL METHODS AND CIRCUIT SIMULATION USING MATLAB	10	30	1	0.6	100	3	1.2	1.8
	ELE3606	INDUSTRIAL AUTOMATION	10	90	3	1.8	100	3	1.2	3
	ELE3607	ELECTRONICS PRACTICAL - I	10	100	3	1.8	100	3	1.2	3
	ELE3608	ELECTRONICS PRACTICAL – II	10	100	3	1.8	100	3	1.2	3
	ELE3609	ELECTRONICS PRACTICAL – III (PROJECT)	10	100	3	1.8	100	3	1.2	3



	<b>Total</b>	<b>180</b>	<b>730</b>	<b>27</b>	<b>16.2</b>	<b>1800</b>	<b>54</b>	<b>21.6</b>	<b>37.8</b>
	<b>Average</b>	<b>10</b>	<b>40.56</b>	<b>1.5</b>	<b>0.9</b>	<b>100</b>	<b>3</b>	<b>1.2</b>	<b>2.1</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.1	3	1.47	0.9	2.37	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of English**  
**Under Graduate Program : B.A. English**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	ENGCO3501	COMPULSORY ENGLISH	167	4.79	1	0.6	37.72	1	0.4	1
	ENGGEN3502	ADVANCED STUDY OF ENGLISH LANGUAGE AND LITERATURE	14	21.43	1	0.6	42.86	2	0.8	1.4
	ENGSP3503	APPRECIATING NOVEL	5	40	2	1.2	60	3	1.2	2.4
	ENGSP3504	INTRODUCTION TO LITERARY CRITICISM	5	40	2	1.2	100	3	1.2	2.4
VI	ENGCO3601	COMPULSORY ENGLISH	167	7.78	1	0.6	27.54	1	0.4	1
	ENGGE3602	ADVANCED STUDY OF ENGLISH LANGUAGE AND LITERATURE	14	42.86	2	1.2	35.71	1	0.4	1.6
	ENGSP3603	APPRECIATING NOVEL	5	60	3	1.8	100	3	1.2	3
	ENGSP3604	INTRODUCTION TO LITERARY CRITICISM	5	40	2	1.2	100	3	1.2	2.4
<b>Total</b>			<b>382</b>	<b>256.86</b>	<b>14</b>	<b>8.4</b>	<b>503.83</b>	<b>17</b>	<b>6.8</b>	<b>15.2</b>
<b>Average</b>			<b>47.75</b>	<b>32.11</b>	<b>1.75</b>	<b>1.05</b>	<b>62.98</b>	<b>2.12</b>	<b>0.85</b>	<b>1.9</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.9	3	1.33	0.9	2.23	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Geography**  
**Under Graduate Program : B.A. Geography**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	GEOGEN3501	GEOGRAPHY OF TOURISM-I	45	62.22	3	1.8	80	3	1.2	3
	GEOSPL3502	PHYSICAL GEOGRAPHY OF INDIA	17	58.82	2	1.2	58.82	2	0.8	2
	GEOSPL3503	PRACTICAL IN MAP READING AND MAP MAKING	17	47.06	2	1.2	41.18	2	0.8	2
VI	GEOGEN3601	GEOGRAPHY OF TOURISM-II	45	71.11	3	1.8	80	3	1.2	3
	GEOSPL3602	HUMAN GEOGRAPHY OF INDIA	17	52.94	2	1.2	76.47	3	1.2	2.4
	GEOSPL3603	PRACTICAL IN STATISTICAL TECHNIQUES	17	47.06	2	1.2	94.12	3	1.2	2.4
<b>Total</b>			<b>158</b>	<b>339.21</b>	<b>14</b>	<b>8.4</b>	<b>430.59</b>	<b>16</b>	<b>6.4</b>	<b>14.8</b>
<b>Average</b>			<b>26.33</b>	<b>56.54</b>	<b>2.33</b>	<b>1.4</b>	<b>71.76</b>	<b>2.67</b>	<b>1.07</b>	<b>2.47</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.47	3	1.73	0.9	2.63	5

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Hindi**  
**Under Graduate Program : B.A.Hindi**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	HINGEN3501	HINDI SAMANYA	30	10	1	0.6	83.33	3	1.2	1.8
	HINSPL3502	HINDI SAHITYA KA ITIHAS	5	1	1	0/6	80	3	1.2	1.8
	HINSPL3503	HINDI BHASHA KA VIKAS	5	20	1	0.6	100	3	1.2	1.8
VI	HINGEN3601	HINDI SAMANYA	30	30	1	0.6	73.33	3	1.2	1.8
	HINSPL3602	HINDI SAHITYA KA ITIHAS	5	20	1	0.6	60	3	1.2	1.8
	HINSPL3603	HINDI BHASHA KA VIKAS	5	20	1	0.6	80	3	1.2	1.8
<b>Total</b>			<b>80</b>	<b>100</b>	<b>5</b>	<b>3</b>	<b>476.66</b>	<b>18</b>	<b>7.2</b>	<b>10.2</b>
<b>Average</b>			<b>13.33</b>	<b>16.67</b>	<b>0.83</b>	<b>0.5</b>	<b>79.44</b>	<b>3</b>	<b>1.2</b>	<b>1.7</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.7	3	1.19	0.9	2.09	4

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of History**  
**Under Graduate Program : B.A. History**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	HISGEN3501	HISTORY OF THE WORLD IN 20TH CENTURY (1914-1992) PART I	72	19.44	1	0.6	63.89	3	1.2	1.8
	HISPL3502	INTRODUCTION TO HISTORY PART I	11	45.45	2	1.2	54.55	2	0.8	2
	HISPL3503	HISTORY OF ASIA IN 20TH CENTURY (1914-1992) PART I	11	54.55	2	1.2	63.64	3	1.2	2.4
VI	HISGEN3601	HISTORY OF THE WORLD IN 20TH CENTURY (1914-1992) PART II	72	41.67	2	1.2	81.94	3	1.2	2.4
	HISPL3602	INTRODUCTION TO HISTORY PART II	11	27.27	1	0.6	100	3	1.2	1.8
	HISPL3603	HISTORY OF ASIA IN 20TH CENTURY (1914-1992) PART II	11	54.55	2	1.2	100	3	1.2	2.4
<b>Total</b>			<b>188</b>	<b>242.93</b>	<b>10</b>	<b>6</b>	<b>464.02</b>	<b>17</b>	<b>6.8</b>	<b>12.8</b>
<b>Average</b>			<b>31.33</b>	<b>40.49</b>	<b>1.67</b>	<b>1</b>	<b>77.34</b>	<b>2.83</b>	<b>1.13</b>	<b>2.13</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.13	3	1.49	0.9	2.39	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Logic**  
**Under Graduate Program : B.A.Logic**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	LOGGEN3501	LOGIC: METHODOLOGY OF SOCIAL SCIENCE	12	33.33	1	0.6	75	3	1.2	1.8
VI	LOGGEN3601	LOGIC: METHODOLOGY OF SOCIAL SCIENCE	12	16.67	1	0.6	83.33	3	1.2	1.8
<b>Total</b>			<b>24</b>	<b>50</b>	<b>2</b>	<b>1.2</b>	<b>158.33</b>	<b>6</b>	<b>2.4</b>	<b>3.6</b>
<b>Average</b>			<b>12</b>	<b>25</b>	<b>1</b>	<b>0.6</b>	<b>79.16</b>	<b>3</b>	<b>1.2</b>	<b>1.8</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.8	3	1.26	0.9	2.16	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Marathi**  
**Under Graduate Program : B.A. Marathi**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	MARGEN3501	ADHUNIK MARATHI SAHITYA PRAKARANCHI ABHYAS	55	21.82	1	0.6	60	3	1.2	1.8
	MARSPL3502	SAHITYAVICHAR	14	42.86	2	1.2	64.29	3	1.2	2.4
	MARSPL3503	MARATHI BHASHIK ABHYAS (ETIHASIK)	14	28.57	1	0.6	42.86	2	0.8	1.4
VI	MARGEN3601	ADHUNIK MARATHI SAHITYA PRAKARANCHI ABHYAS	55	50.91	2	1.2	89.09	3	1.2	2.4
	MARSPL3602	SAHITYAVICHAR	14	50	2	1.2	85.71	3	1.2	2.4
	MARSPL3603	MARATHI BHASHIK ABHYAS (ETIHASIK)	14	28.57	1	0.6	85.71	3	1.2	1.8
<b>Total</b>			<b>166</b>	<b>222.73</b>	<b>9</b>	<b>5.4</b>	<b>427.66</b>	<b>17</b>	<b>6.8</b>	<b>12.2</b>
<b>Average</b>			<b>27.67</b>	<b>37.12</b>	<b>1.5</b>	<b>0.9</b>	<b>71.28</b>	<b>2.83</b>	<b>1.13</b>	<b>2.03</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.03	3	1.42	0.9	2.32	4

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
Course and Program Outcome Attainment  
Department of Mathematics

Under Graduate Program : B.Sc. Mathematics

Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	MAT3501	METRIC SPACES	11	36.36	1	0.6	100	3	1.2	1.8
	MAT3502	REAL ANALYSIS I	11	27.27	1	0.6	90.91	3	1.2	1.8
	MAT3503	GROUP THEORY	11	45.45	2	1.2	81.82	3	1.2	2.4
	MAT3504	ORDINARY DIFFERENTIAL EQUATION	11	54.55	2	1.2	72.73	3	1.2	2.4
	MAT3505	OPERATION RESEARCH	11	54.55	2	1.2	100	3	1.2	2.4
	MAT3506	NUMBER THEORY	11	18.18	1	0.6	100	3	1.2	1.8
	MAT3507	MATHEMATICS PRACTICAL-I	11	72.73	3	1.8	100	3	1.2	3
	MAT3508	MATHEMATICS PRACTICAL – II	11	63.64	3	1.8	100	3	1.2	3
	MAT3509	MATHEMATICS PRACTICAL-III	11	63.64	3	1.8	100	3	1.2	3
VI	MAT3601	COMPLEX ANALYSIS	11	63.64	3	1.8	100	3	1.2	3
	MAT3602	REAL ANALYSIS II	11	45.45	2	1.2	100	3	1.2	2.4
	MAT3603	RING THEORY	11	54.55	2	1.2	90.91	3	1.2	2.4
	MAT3604	PARTIAL DIFFERENTIAL EQUATION	11	63.64	3	1.8	90.91	3	1.2	3
	MAT3605	OPTIMIZATION TECHNIQUES	11	81.82	3	1.8	100	3	1.2	3
	MAT3606	LEBESGUE INTEGRATION	11	63.64	3	1.8	100	3	1.2	3
	MAT3607	MATHEMATICS PRACTICAL - I	11	90.91	3	1.8	100	3	1.2	3
	MAT3608	MATHEMATICS PRACTICAL – II	11	81.82	3	1.8	100	3	1.2	3
	MAT3609	PROJECT	11	100	3	1.8	100	3	1.2	3

	<b>Total</b>	<b>198</b>	<b>1081.84</b>	<b>43</b>	<b>25.8</b>	<b>727.28</b>	<b>54</b>	<b>21.6</b>	<b>47.4</b>
	<b>Average</b>	<b>11</b>	<b>60.1</b>	<b>2.39</b>	<b>1.43</b>	<b>95.96</b>	<b>3</b>	<b>1.2</b>	<b>2.63</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.63	3	1.84	0.9	2.74	5

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Microbiology**  
**Under Graduate Program : B.Sc. Microbiology**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	MICRO3501	MEDICAL MICROBIOLOGY-I	46	32.61	1	0.6	100	3	1.2	1.8
	MICRO3502	GENETICS AND MOLECULAR BIOLOGY- I	46	36.96	1	0.6	100	3	1.2	1.8
	MICRO3503	ENZYMOLGY	46	6.52	1	0.6	100	3	1.2	1.8
	MICRO3504	IMMUNOLOGY – I	46	2.17	1	0.6	100	3	1.2	1.8
	MICRO3505	FERMENTATION TECHNOLOGY-I	46	8.7	1	0.6	100	3	1.2	1.8
	MICRO3506	FOOD AND DAIRY MICROBIOLOGY	46	15.22	1	0.6	100	3	1.2	1.8
	MICRO3507	MICROBIOLOGY PRACTICAL-I	46	86.96	3	1.8	100	3	1.2	3
	MICRO3508	MICROBIOLOGY PRACTICAL-II	46	86.96	3	1.8	95.65	3	1.2	3
	MICRO3509	MICROBIOLOGY PRACTICAL-III	46	89.13	3	1.8	95.65	3	1.2	3
VI	MICRO3601	MEDICAL MICROBIOLOGY-II	46	21.74	1	0.6	100	3	1.2	1.8
	MICRO3602	GENETICS AND MOLECULAR BIOLOGY- II	46	43.48	2	1.2	100	3	1.2	2.4
	MICRO3603	METABOLISM	46	10.87	1	0.6	89.13	3	1.2	1.8
	MICRO3604	IMMUNOLOGY – II	46	26.09	1	0.6	97.83	3	1.2	1.8
	MICRO3605	FERMENTATION TECHNOLOGY-II	46	41.3	2	1.2	100	3	1.2	2.4
	MICRO3606	AGRICULTURAL AND ENVIRONMENTAL MICROBIOLOGY	46	23.91	1	0.6	97.83	3	1.2	1.8
	MICRO3607	MICROBIOLOGY PRACTICAL - IV	46	97.83	3	1.8	97.83	3	1.2	3
	MICRO3608	MICROBIOLOGY PRACTICAL - V	46	97.83	3	1.8	97.83	3	1.2	3
	MICRO3609	PROJECT	46	97.83	3	1.8	97.83	3	1.2	3

	<b>Total</b>	<b>828</b>	<b>826.11</b>	<b>32</b>	<b>19.2</b>	<b>769.58</b>	<b>54</b>	<b>21.6</b>	<b>40.8</b>
	<b>Average</b>	<b>46</b>	<b>45.9</b>	<b>1.78</b>	<b>1.07</b>	<b>98.31</b>	<b>3</b>	<b>1.2</b>	<b>2.27</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.27	3	1.59	0.9	2.49	4

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





Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Physics**

**Under Graduate Program : B.Sc. Physics**

**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	PHY3501	MATHEMATICAL METHODS OF PHYSICS-II	24	8.33	1	0.6	100	3	1.2	1.8
	PHY3502	CLASSICAL MECHANICS	24	4.17	1	0.6	87.5	3	1.2	1.8
	PHY3503	OPTICS	24	37.5	1	0.6	87.5	3	1.2	1.8
	PHY3504	SOLID STATE PHYSICS	24	25	1	0.6	100	3	1.2	1.8
	PHY3505	ATOMIC AND MOLECULAR PHYSICS	24	20.83	1	0.6	100	3	1.2	1.8
	PHY3506A	ELEMENTS OF MATERIAL SCIENCE	11	63.64	3	1.8	100	3	1.2	3
	PHY3506B	RENEWABLE ENERGY SOURCES	13	7.69	1	0.6	69.23	3	1.2	1.8
	PHY3507	PHYSICS PRACTICAL -I	24	83.33	3	1.8	95.83	3	1.2	3
	PHY3508	PHYSICS PRACTICAL -II	24	79.17	3	1.8	87.5	3	1.2	3
	PHY3509	PHYSICS PROJECT -I	24	79.17	3	1.8	91.67	3	1.2	3
VI	PHY3601	ELECTRODYNAMICS	24	33.33	1	0.6	100	3	1.2	1.8
	PHY3602	QUANTUM MECHANICS	24	4.17	1	0.6	100	3	1.2	1.8
	PHY3603	STATISTICAL PHYSICS	24	37.5	1	0.6	100	3	1.2	1.8
	PHY3604	NUCLEAR PHYSICS	24	37.5	1	0.6	100	3	1.2	1.8
	PHY3605(A)	ELECTRONICS II	20	25	1	0.6	35	1	0.4	1
	PHY3605(B)	ADVANCED ELECTRONICS	4	50	2	1.2	100	3	1.2	2.4
	PHY3606(A)	PHYSICS OF NANOMATERIALS	11	100	3	1.8	100	3	1.2	3
	PHY3606(B)	SOLAR ENERGY CONVERSION DEVICES	13	38.46	1	0.6	92.31	3	1.2	1.8
	PHY3607	PHYSICS PRACTICAL -III	24	79.17	3	1.8	100	3	1.2	3

VI	PHY3608	PHYSICS PRACTICAL -IV	24	83.33	3	1.8	83.33	3	1.2	3
	PHY3609	PHYSICS PROJECT - II	24	75	3	1.8	100	3	1.2	3
Total			432	972.29	38	22.8	929.87	61	24.4	47.2
Average			20.57	46.3	1.81	1.09	91.9	2.9	1.16	2.25



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.25	3	1.58	0.9	2.48	4

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Politics**  
**Under Graduate Program : B.A. Politics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	POLGEN3501	POLITICAL IDEOLOGIES	91	6.59	1	0.6	35.16	1	0.4	1
	POLSPL3502	PUBLIC ADMINISTRATION	50	8	1	0.6	44	2	0.8	1.4
	POLSPL3503	INTERNATIONAL POLITICS	50	6	1	0.6	32	1	0.4	1
VI	POLGEN 3601	POLITICAL IDEOLOGIES	91	20.88	1	0.6	43.96	2	0.8	1.4
	POLSPL 3602	PUBLIC ADMINISTRATION	50	12	1	0.6	68	3	1.2	1.8
	POLSPL 3603	INTERNATIONAL POLITICS	50	14	1	0.6	56	2	0.8	1.4
<b>Total</b>			<b>382</b>	<b>67.47</b>	<b>6</b>	<b>3.6</b>	<b>279.12</b>	<b>11</b>	<b>4.4</b>	<b>8</b>
<b>Average</b>			<b>63.67</b>	<b>11.24</b>	<b>1</b>	<b>0.6</b>	<b>46.52</b>	<b>1.83</b>	<b>0.73</b>	<b>1.33</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,



Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
1.33	3	0.93	0.9	1.83	3

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



Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Psychology**  
**Under Graduate Program : B.A. Psychology**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2022 - 2023**

Sem	Course Code	Course Title	Total No. of Students	% of Students above 60 % in ESE	Level of Attainment ESE	60 % Attainment Level in end term exam (I)	% of Students above 60 % in CIA	Level of Attainment CIA	40 % Attainment Level in CIA exam (II)	Attainment of Course (I+II)
V	PSYGEN3501	ORGANIZATIONAL PSYCHOLOGY	1	100	3	1.8	100	3	1.2	3
	PSYGEN3501	APPLIED PSYCHOLOGY -I	16	12.5	1	0.6	43.75	2	0.8	1.4
	PSYSPL3502	PSYCHOLOGICAL RESEARCH	10	10	1	0.6	60	3	1.2	1.8
	PSYSPL3503	PSYCHOLOGY PRACTICAL: TEST	10	90	3	1.8	50	2	0.8	2.6
VI	PSYGEN3601	APPLIED PSYCHOLOGY-II	16	31.25	1	0.6	43.75	2	0.8	1.4
	PSYSPL3602	EXPERIMENTAL PSYCHOLOGY	10	20	1	0.6	90	3	1.2	1.8
	PSYSPL3603	PSYCHOLOGY PRACTICAL: EXPERIMENTS	10	80	3	1.8	70	3	1.2	3
<b>Total</b>			<b>73</b>	<b>343.75</b>	<b>13</b>	<b>7.8</b>	<b>457.5</b>	<b>18</b>	<b>7.2</b>	<b>15</b>
<b>Average</b>			<b>10.43</b>	<b>49.11</b>	<b>1.86</b>	<b>1.11</b>	<b>65.36</b>	<b>2.57</b>	<b>1.03</b>	<b>2.14</b>



Where: ESE: End Semester Examination; CIA: Continuous Internal Assessment,

Levels of End Semester Examination	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scored more than average marks
Level 3	60 % and above students scoring more than average marks
Levels of Continuous Internal Assessment	
Level 1	Below 40 % of students scoring more than average marks
Level 2	40-59.99 % of students scoring more than average marks
Level 3	60 % and above students scoring more than average marks

Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.14	3	1.5	0.9	2.4	4

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  
Tuljaram Chaturchand College  
Baramati