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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** 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  
2023-24**

Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati (Autonomous)**  
**Course and Program Outcome Attainment**  
**Department of Library Science**  
**Post Graduate Program : M.Lib.(Library Science)**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
I	LIS-101-MJM	KNOWLEDGE ORGANIZATION CLASSIFICATION	27	77.78	3	1.8	100	3	1.2	3
	LIS-102-MJM	INFORMATION PROCESSING CATALOGUING	27	81.48	3	1.8	100	3	1.2	3
	LIS-137-IKS	FOUNDATION OF LIBRARY AND INFORMATION SCIENCE	27	55.56	2	1.2	100	3	1.2	2.4
	LIS-121-VSC	KNOWLEDGE ORGANIZATION CLASSIFICATION : PRACTICAL	27	100	3	1.8	100	3	1.2	3
	LIS-126-SEC	SOFT SKILLS OR LIS PROFESSIONALS : PRACTICAL	27	100	3	1.8	100	3	1.2	3
II	LIS-151-MJM	Information Technology	27	40.74	2	1.2	100	3	1.2	2.4
	LIS-152-MJM	Information Processing Cataloguing : B	27	88.89	3	1.8	100	3	1.2	3
	LIS-161-MJM	Reference Service & Sources	27	77.78	3	1.8	100	3	1.2	3
	LIS-171-VSC	Information Processing Cataloguing (Practical)	27	85.19	3	1.8	100	3	1.2	3
	LIS-176-SEC	Information Technology (Practical)	27	85.19	3	1.8	100	3	1.2	3
<b>Total</b>			<b>270</b>	<b>792.61</b>	<b>28</b>	<b>16.8</b>	<b>1000</b>	<b>30</b>	<b>12</b>	<b>28.8</b>
<b>Average</b>			<b>27</b>	<b>79.26</b>	<b>2.8</b>	<b>1.68</b>	<b>100</b>	<b>3</b>	<b>1.2</b>	<b>2.88</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
2.88	3	2.02	0.9	2.92	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 Library Science**  
**Post Graduate Program : M.Lib.(Library Science)**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
I	LIS-501-MJM	INFORMATION COMMUNICATION SOCIETY	12	33.33	1	0.6	100	3	1.2	1.8
	LIS-502-MJM	MANAGEMENT OF LIBRARIES AND INFORMATION CENTERS-A	12	91.67	3	1.8	100	3	1.2	3
	LIS-503-MJM	INFORMATION TECHNOLOGY APPLICATIONS : PRACTICAL	12	100	3	1.8	100	3	1.2	3
	LIS-504-MJM	INFORMATION RETRIEVAL	12	25	1	0.6	100	3	1.2	1.8
	LIS-511-MJE	ACADEMIC LIBRARY SYSTEM	12	25	1	0.6	100	3	1.2	1.8
	LIS-521-RM	INTRODUCTION TO RESEARCH METHODOLOGY	12	91.67	3	1.8	100	3	1.2	3
II	LIS-551-MJM	Management of Libraries and Information Centres-B	12	100	3	1.8	100	3	1.2	3
	LIS-552-MJM	Statistical Techniques of Research Bibliometrics	12	91.67	3	1.8	100	3	1.2	3
	LIS-553-MJM	Information Communication Technology: Practical	12	100	3	1.8	100	3	1.2	3
	LIS-554-MJM	Bibliographic Control and Information Systems	12	100	3	1.8	100	3	1.2	3
	LIS-561-MJE	Information Technology: (Theory)	12	41.67	2	1.2	100	3	1.2	2.4
	LIS-581-FP	Field Project	12	100	3	1.8	NA	NA	NA	1.8
<b>Total</b>			<b>144</b>	<b>900.01</b>	<b>29</b>	<b>17.4</b>	<b>1100</b>	<b>33</b>	<b>13.2</b>	<b>30.6</b>
<b>Average</b>			<b>12</b>	<b>75</b>	<b>2.42</b>	<b>1.45</b>	<b>91.67</b>	<b>2.75</b>	<b>1.1</b>	<b>2.55</b>



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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
2.55	3	1.78	0.9	2.68	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 BBA**  
**Under Graduate Program : BBA**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	92	39.13	1	0.6	63.04	3	1.2	1.8
	BBA3502	ENTREPRENEURSHIP DEVELOPMENT	92	15.22	1	0.6	68.48	3	1.2	1.8
	BBA3503	BUSINESS LAW	92	13.04	1	0.6	59.78	2	0.8	1.4
	BBA3504	RESEARCH METHODOLOGY	92	46.74	2	1.2	97.83	3	1.2	2.4
	BBA3505(A)	HUMAN RESOURCE MANAGEMENT-I	34	11.76	1	0.6	52.94	2	0.8	1.4
	BBA3505(B)	FINANCIAL MANAGEMENT-I	35	68.57	3	1.8	88.57	3	1.2	3
	BBA3505(C)	MARKETING MANAGEMENT-I	23	21.74	1	0.6	21.74	1	0.4	1
	BBA3506(A)	HUMAN RESOURCE MANAGEMENT-II	34	61.76	3	1.8	97.06	3	1.2	3
	BBA3506(B)	FINANCIAL MANAGEMENT-II	35	68.57	3	1.8	88.57	3	1.2	3
	BBA3506(C)	MARKETING MANAGEMENT-II	23	21.74	1	0.6	34.78	1	0.4	1
	BBA3507(A)	HUMAN RESOURCE MANAGEMENT PROJECT	34	61.76	3	1.8	NA	NA	NA	1.8
	BBA3507(B)	FINANCE PROJECT	35	100	3	1.8	NA	NA	NA	1.8
	BBA3507(C)	MARKETING PROJECT	23	95.65	3	1.8	NA	NA	NA	1.8
VI	BBA3601	BUSINESS PLANNING AND PROJECT MANAGEMENT	92	50	2	1.2	93.48	3	1.2	2.4
	BBA3602	MANAGEMENT CONTROL SYSTEM	92	28.26	1	0.6	100	3	1.2	1.8
	BBA3603	E- BUSINESS	92	10.87	1	0.6	95.65	3	1.2	1.8
	BBA3604	BUSINESS ANALYTICS	92	44.57	2	1.2	95.65	3	1.2	2.4
	BBA3605(A)	HUMAN RESOURCE MANAGEMENT-I	34	11.76	1	0.6	94.12	3	1.2	1.8
	BBA3605(B)	FINANCIAL MANAGEMENT-I	35	71.43	3	1.8	100	3	1.2	3

VI	BBA3605(C)	MARKETING MANAGEMENT-I	23	34.78	1	0.6	65.22	3	1.2	1.8
	BBA3606(A)	HUMAN RESOURCE MANAGEMENT-II	34	8.82	1	0.6	52.94	2	0.8	1.4
	BBA3606(B)	FINANCIAL MANAGEMENT-II	35	22.86	1	0.6	100	3	1.2	1.8
	BBA3606(C)	MARKETING MANAGEMENT-II	23	30.43	1	0.6	91.3	3	1.2	1.8
	BBA3607(A)	HUMAN RESOURCE MANAGEMENT PROJECT	34	50	2	1.2	NA	NA	NA	1.2
	BBA3607(B)	FINANCIAL PROJECT	35	100	3	1.8	NA	NA	NA	1.8
	BBA3607(C)	MARKETING PROJECT	23	86.96	3	1.8	NA	NA	NA	1.8
<b>Total</b>			<b>1288</b>	<b>1176.42</b>	<b>48</b>	<b>28.8</b>	<b>561.15</b>	<b>53</b>	<b>21.2</b>	<b>50</b>
<b>Average</b>			<b>49.54</b>	<b>45.25</b>	<b>1.85</b>	<b>1.11</b>	<b>60.04</b>	<b>2.04</b>	<b>0.82</b>	<b>1.92</b>



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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
1.92	3	1.34	0.9	2.24	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 BCA**  
**Under Graduate Program : BCA**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	120	9.17	1	0.6	90.83	3	1.2	1.8
	BCA3502	.NET PROGRAMMING	120	15.83	1	0.6	81.67	3	1.2	1.8
	BCA3503(A)	CLOUD COMPUTING	120	14.17	1	0.6	71.67	3	1.2	1.8
	BCA3504(B)	MACHINE LEARNING	120	25	1	0.6	76.67	3	1.2	1.8
	BCA3505	PROJECT	120	90.83	3	1.8	NA	NA	NA	1.8
	BCA3506	PRACTICAL - I	120	50	2	1.2	85	3	1.2	2.4
	BCA3507	PRACTICAL - II	120	64.17	3	1.8	58.33	2	0.8	2.6
	BCA3508	PRACTICAL - III	120	77.5	3	1.8	85	3	1.2	3
VI	BCA3601	DATA ANALYTICS USING PYTHON	120	9.17	1	0.6	81.67	3	1.2	1.8
	BCA3602	NOSQL DATABASES	120	32.5	1	0.6	60.83	3	1.2	1.8
	BCA3603(A)	BIG DATA	120	10.83	1	0.6	89.17	3	1.2	1.8
	BCA3604(A)	DATA MINING	120	21.67	1	0.6	57.5	2	0.8	1.4
	BCA3605	PROJECT	120	84.17	3	1.8	NA	NA	NA	1.8
	BCA3606	PRACTICAL - I	120	87.5	3	1.8	100	3	1.2	3
	BCA3607	PRACTICAL - II	120	64.17	3	1.8	62.5	3	1.2	3
<b>Total</b>			<b>1800</b>	<b>656.68</b>	<b>28</b>	<b>16.8</b>	<b>1000.84</b>	<b>37</b>	<b>14.8</b>	<b>31.6</b>
<b>Average</b>			<b>120</b>	<b>43.78</b>	<b>1.87</b>	<b>1.12</b>	<b>66.72</b>	<b>2.47</b>	<b>0.99</b>	<b>2.11</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
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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
2.11	3	1.48	0.9	2.38	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 2023 - 2024**

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	18	5.56	1	0.6	16.67	1	0.4	1
	DT-502 T	FAT RICH MILK PRODUCTS	18	16.67	1	0.6	11.11	1	0.4	1
	DT-503 T	DAIRY PLANT MANAGEMENT	18	22.22	1	0.6	83.33	3	1.2	1.8
	DT-5.1 P	QUALITY ASSURANCE AND WASTE MANAGEMENT-I	18	33.33	1	0.6	5.56	1	0.4	1
	DT-5.2 P	FAT RICH MILK PRODUCTS-I	18	44.44	2	1.2	61.11	3	1.2	2.4
	DT-5.3 P	PROJECT	18	5.56	1	0.6	61.11	3	1.2	1.8
VI	DT-601 T	DAIRY PRODUCT DEVELOPMENT	18	38.89	1	0.6	27.78	1	0.4	1
	DT-602 T	PACKAGING TECHNOLOGY	18	11.11	1	0.6	38.89	1	0.4	1
	DT-603 T	ENTREPRENEURSHIP DEVELOPMENT	18	50	2	1.2	38.89	1	0.4	1.6
	DT-6.1 P	DAIRY PRODUCT DEVELOPMENT-I	18	72.22	3	1.8	72.22	3	1.2	3
	DT-6.2 P	PACKAGING TECHNOLOGY-I	18	16.67	1	0.6	16.67	1	0.4	1
	DT-6.3 P	IN-PLANT TRAINING	18	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>216</b>	<b>416.67</b>	<b>18</b>	<b>10.8</b>	<b>533.34</b>	<b>22</b>	<b>8.8</b>	<b>19.6</b>
<b>Average</b>			<b>18</b>	<b>34.72</b>	<b>1.5</b>	<b>0.9</b>	<b>44.44</b>	<b>1.83</b>	<b>0.73</b>	<b>1.63</b>



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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
1.63	3	1.14	0.9	2.04	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 2023 - 2024**

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	9				100	3	1.2	1.2
	ELE3502	8051 MICROCONTROLLER	9	22.22	1	0.6	100	3	1.2	1.8
	ELE3503	ANALOG CIRCUIT DESIGN AND APPLICATIONS OF LINEAR ICS	9	22.22	1	0.6	100	3	1.2	1.8
	ELE3504	PRINCIPLES OF SEMICONDUCTOR DEVICES	9	22.22	1	0.6	100	3	1.2	1.8
	ELE3505	FUNDAMENTALS OF 'C' PROGRAMMING	9				100	3	1.2	1.2
	ELE3506	OPTICAL FIBER COMMUNICATION	9	33.33	1	0.6	100	3	1.2	1.8
	ELE3507	ELECTRONICS PRACTICAL - I	9	100	3	1.8	100	3	1.2	3
	ELE3508	ELECTRONICS PRACTICAL – II	9	100	3	1.8	100	3	1.2	3
	ELE3509	ELECTRONICS PRACTICAL – III (PROJECT)	9	100	3	1.8	100	3	1.2	3
VI	ELE3601	ADVANCED COMMUNICATION SYSTEMS	9	11.11	1	0.6	100	3	1.2	1.8
	ELE3602	8051 'C' PROGRAMMING AND EMBEDDED SYSTEMS	9	22.22	1	0.6	55.56	2	0.8	1.4
	ELE3603	POWER DEVICES AND CIRCUITS	9	11.11	1	0.6	100	3	1.2	1.8
	ELE3604	FOUNDATION OF NANO ELECTRONICS	9	22.22	1	0.6	100	3	1.2	1.8
	ELE3605	MATHEMATICAL METHODS AND CIRCUIT SIMULATION USING MATLAB	9	22.22	1	0.6	100	3	1.2	1.8
	ELE3606	INDUSTRIAL AUTOMATION	9	44.44	2	1.2	100	3	1.2	2.4
	ELE3607	ELECTRONICS PRACTICAL - I	9	55.56	2	1.2	100	3	1.2	2.4
	ELE3608	ELECTRONICS PRACTICAL – II	9	55.56	2	1.2	100	3	1.2	2.4
	ELE3609	ELECTRONICS PRACTICAL – III (PROJECT)	9	55.56	2	1.2	100	3	1.2	2.4

	<b>Total</b>	<b>162</b>	<b>699.99</b>	<b>26</b>	<b>15.6</b>	<b>755.56</b>	<b>53</b>	<b>21.2</b>	<b>36.8</b>
	<b>Average</b>	<b>9</b>	<b>38.89</b>	<b>1.44</b>	<b>0.87</b>	<b>97.53</b>	<b>2.94</b>	<b>1.18</b>	<b>2.04</b>



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Levels of Continuous Internal Assessment	
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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
2.04	3	1.43	0.9	2.33	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 2023 - 2024**

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	13	100	3	1.8	100	3	1.2	3
	EVS3502	WILDLIFE BIOLOGY	13	100	3	1.8	100	3	1.2	3
	EVS3503	GEOSCIENCE	13	84.62	3	1.8	92.31	3	1.2	3
	EVS3504	NATURE CONSERVATION	13	84.62	3	1.8	100	3	1.2	3
	EVS3505	ENVIRONMENTAL GOVERNANCE, LAWS AND ETHICS	13	92.31	3	1.8	92.31	3	1.2	3
	EVS3506	ENVIRONMENTAL BIOTECHNOLOGY	13	46.15	2	1.2	92.31	3	1.2	2.4
	EVS3507	ENVIRONMENTAL SCIENCE PRACTICAL - I	13	100	3	1.8	100	3	1.2	3
	EVS3508	ENVIRONMENTAL SCIENCE PRACTICAL – II	13	100	3	1.8	100	3	1.2	3
	EVS3509	ENVIRONMENTAL SCIENCE PRACTICAL – III	13	100	3	1.8	100	3	1.2	3
VI	EVS3601	CLIMATE CHANGE	13	92.31	3	1.8	84.62	3	1.2	3
	EVS3602	ANALYTICAL METHODS	13	84.62	3	1.8	100	3	1.2	3
	EVS3603	SUSTAINABLE DEVELOPMENT	13	100	3	1.8	100	3	1.2	3
	EVS3604	ENVIRONMENTAL STATISTICS	13	61.54	3	1.8	100	3	1.2	3
	EVS3605	ENVIRONMENTAL RISK AND ASSESSMENT MANAGEMENT	13	100	3	1.8	100	3	1.2	3
	EVS3606	ENVIRONMENTAL ECONOMICS AND AUDIT	13	100	3	1.8	84.62	3	1.2	3
	EVS3607	ENVIRONMENTAL SCIENCE PRACTICAL - I	13	100	3	1.8	100	3	1.2	3
	EVS3608	ENVIRONMENTAL SCIENCE PRACTICAL – II	13	100	3	1.8	100	3	1.2	3
	EVS3609	PROJECT	13	100	3	1.8	100	3	1.2	3

	<b>Total</b>	<b>234</b>	<b>1646.17</b>	<b>53</b>	<b>31.8</b>	<b>746.17</b>	<b>54</b>	<b>21.6</b>	<b>53.4</b>
	<b>Average</b>	<b>13</b>	<b>91.45</b>	<b>2.94</b>	<b>1.77</b>	<b>97.01</b>	<b>3</b>	<b>1.2</b>	<b>2.97</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
2.97	3	2.08	0.9	2.98	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 2023 - 2024**

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	24	33.33	1	0.6	33.33	1	0.4	1
	DEFSPL3502	INTERNATIONAL AND REGIONAL ORGANIZATIONS	14	14.29	1	0.6	42.86	2	0.8	1.4
	DEFSPL3503	DEFENCE ECONOMICS	14	14.29	1	0.6	50	2	0.8	1.4
VI	DEFGEN3601	INDIAS NATIONAL SECURITY IN 21ST CENTURY OR WAR AND CONTEMPORY WARFARE	24	12.5	1	0.6	95.83	3	1.2	1.8
	DEFSPL3602	INTERNATIONAL AND REGIONAL ORGANIZATIONS	14	64.29	3	1.8	71.43	3	1.2	3
	DEFSPL3603	DEFENCE ECONOMICS	14	42.86	2	1.2	100	3	1.2	2.4
<b>Total</b>			<b>104</b>	<b>181.56</b>	<b>9</b>	<b>5.4</b>	<b>393.45</b>	<b>14</b>	<b>5.6</b>	<b>11</b>
<b>Average</b>			<b>17.33</b>	<b>30.26</b>	<b>1.5</b>	<b>0.9</b>	<b>65.58</b>	<b>2.33</b>	<b>0.93</b>	<b>1.83</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
1.83	3	1.28	0.9	2.18	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 E-Commerce**  
**Under Graduate Program : B.Voc.E-Commerce**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	11	63.64	3	1.8	100	3	1.2	3
	ECDM-502T	MARKETING RESEARCH	11	90.91	3	1.8	100	3	1.2	3
	ECDM-503T	HUMAN RESOURCES MANAGEMENT	11	45.45	2	1.2	100	3	1.2	2.4
	ECDM-504P	SOCIAL MEDIA MARKETING - II	11	100	3	1.8	100	3	1.2	3
	ECDM-505P	GRAPHICS DESIGNS FOR DIGITAL MARKETING	11	100	3	1.8	100	3	1.2	3
	ECDM-506P	PROJECT - I PROJECT REPORT ON SOCIAL MEDIA MARKETING	11	100	3	1.8	100	3	1.2	3
VI	ECDM-601T	DIGITAL MEDIA AND THE LAW	11	72.73	3	1.8	100	3	1.2	3
	ECDM-602T	INTEGRATED MARKETING COMMUNICATION	11	90.91	3	1.8	100	3	1.2	3
	ECDM-603T	ADVANCE DIGITAL MARKETING - I	11	81.82	3	1.8	100	3	1.2	3
	ECDM-604P	ADVANCE DIGITAL MARKETING - II	11	100	3	1.8	100	3	1.2	3
	ECDM-605P	PROJECT - II PROJECT REPORT ON WEB DEVELOPMENT	11	100	3	1.8	100	3	1.2	3
	ECDM-606P	PROJECT - III PROJECT REPORT ON ADVANCE DIGITAL MARKETING	11	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>132</b>	<b>1045.46</b>	<b>35</b>	<b>21</b>	<b>1200</b>	<b>36</b>	<b>14.4</b>	<b>35.4</b>
<b>Average</b>			<b>11</b>	<b>87.12</b>	<b>2.92</b>	<b>1.75</b>	<b>100</b>	<b>3</b>	<b>1.2</b>	<b>2.95</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
2.95	3	2.06	0.9	2.96	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 2023 - 2024**

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	13	100	3	1.8	100	3	1.2	3
	EVS3502	WILDLIFE BIOLOGY	13	100	3	1.8	100	3	1.2	3
	EVS3503	GEOSCIENCE	13	84.62	3	1.8	92.31	3	1.2	3
	EVS3504	NATURE CONSERVATION	13	84.62	3	1.8	100	3	1.2	3
	EVS3505	ENVIRONMENTAL GOVERNANCE, LAWS AND ETHICS	13	92.31	3	1.8	92.31	3	1.2	3
	EVS3506	ENVIRONMENTAL BIOTECHNOLOGY	13	46.15	2	1.2	92.31	3	1.2	2.4
	EVS3507	ENVIRONMENTAL SCIENCE PRACTICAL - I	13	100	3	1.8	100	3	1.2	3
	EVS3508	ENVIRONMENTAL SCIENCE PRACTICAL – II	13	100	3	1.8	100	3	1.2	3
	EVS3509	ENVIRONMENTAL SCIENCE PRACTICAL – III	13	100	3	1.8	100	3	1.2	3
VI	EVS3601	CLIMATE CHANGE	13	92.31	3	1.8	84.62	3	1.2	3
	EVS3602	ANALYTICAL METHODS	13	84.62	3	1.8	100	3	1.2	3
	EVS3603	SUSTAINABLE DEVELOPMENT	13	100	3	1.8	100	3	1.2	3
	EVS3604	ENVIRONMENTAL STATISTICS	13	61.54	3	1.8	100	3	1.2	3
	EVS3605	ENVIRONMENTAL RISK AND ASSESSMENT MANAGEMENT	13	100	3	1.8	100	3	1.2	3
	EVS3606	ENVIRONMENTAL ECONOMICS AND AUDIT	13	100	3	1.8	84.62	3	1.2	3
	EVS3607	ENVIRONMENTAL SCIENCE PRACTICAL - I	13	100	3	1.8	100	3	1.2	3
	EVS3608	ENVIRONMENTAL SCIENCE PRACTICAL – II	13	100	3	1.8	100	3	1.2	3
	EVS3609	PROJECT	13	100	3	1.8	100	3	1.2	3

	<b>Total</b>	<b>234</b>	<b>1646.17</b>	<b>53</b>	<b>31.8</b>	<b>746.17</b>	<b>54</b>	<b>21.6</b>	<b>53.4</b>
	<b>Average</b>	<b>13</b>	<b>91.45</b>	<b>2.94</b>	<b>1.77</b>	<b>97.01</b>	<b>3</b>	<b>1.2</b>	<b>2.97</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
2.97	3	2.08	0.9	2.98	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 2023 - 2024**

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	23	65.22	3	1.8	100	3	1.2	3
VI	YOGGEN3601	YOGA VIDYA - I	23	73.91	3	1.8	56.52	2	0.8	2.6
<b>Total</b>			<b>46</b>	<b>139.13</b>	<b>6</b>	<b>3.6</b>	<b>156.52</b>	<b>5</b>	<b>2</b>	<b>5.6</b>
<b>Average</b>			<b>23</b>	<b>69.56</b>	<b>3</b>	<b>1.8</b>	<b>78.26</b>	<b>2.5</b>	<b>1</b>	<b>2.8</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
2.8	3	1.96	0.9	2.86	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 2023 - 2024**

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	26	3.85	1	0.6	100	3	1.2	1.8
	PHILSPL3502	INDIAN & WESTERN PHILOSOPHY	20	20	1	0.6	100	3	1.2	1.8
	PHILSPL3503	JAIN PHILOSOPHY	20	10	1	0.6	100	3	1.2	1.8
VI	PHILGEN3601	MODERN INDIAN PHILOSOPHER	26	19.23	1	0.6	84.62	3	1.2	1.8
	PHILSPL3602	INDIAN & WESTERN PHILOSOPHY	20	25	1	0.6	100	3	1.2	1.8
	PHILSPL3603	JAIN PHILOSOPHY	20	30	1	0.6	90	3	1.2	1.8
<b>Total</b>			<b>132</b>	<b>108.08</b>	<b>6</b>	<b>3.6</b>	<b>574.62</b>	<b>18</b>	<b>7.2</b>	<b>10.8</b>
<b>Average</b>			<b>22</b>	<b>18.01</b>	<b>1</b>	<b>0.6</b>	<b>95.77</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 Retail**  
**Under Graduate Program : B.Voc.Retail**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	14	50	2	1.2	71.43	3	1.2	2.4
	RM-1502 T	BANK FINANCE	14	57.14	2	1.2	78.57	3	1.2	2.4
	RM-1503 T	HUMAN RESOURCE MANAGEMENT FOR RETAIL MANAGEMENT	14	71.43	3	1.8	57.14	2	0.8	2.6
	RM-1504 P	INTERNSHIP	14	64.29	3	1.8	100	3	1.2	3
	RM-1505 P	MATERIAL AND LOGISTICS MANAGEMENT	14	42.86	2	1.2	57.14	2	0.8	2
	RM-1506 P	RETAIL STORE OPERATION-III	14	100	3	1.8	78.57	3	1.2	3
VI	RM-1601 T	MARKETING MANAGEMENT	14	35.71	1	0.6	50	2	0.8	1.4
	RM-1602 T	RETAIL FINANCIAL SERVICES	14	64.29	3	1.8	85.71	3	1.2	3
	RM-1603 T	ENTREPRENEURSHIP DEVELOPMENT	14	57.14	2	1.2	50	2	0.8	2
	RM-1604 P	INTERNSHIP	14	78.57	3	1.8	92.86	3	1.2	3
	RM-1605 P	E-COMMERCE AND DIGITAL MARKETING	14	28.57	1	0.6	71.43	3	1.2	1.8
	RM-1606 P	RETAIL STORE OPERATION-IV	14	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>168</b>	<b>750</b>	<b>28</b>	<b>16.8</b>	<b>892.85</b>	<b>32</b>	<b>12.8</b>	<b>29.6</b>
<b>Average</b>			<b>14</b>	<b>62.5</b>	<b>2.33</b>	<b>1.4</b>	<b>74.4</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 Sanskrit**  
**Under Graduate Program : B.A.Sanskrit**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	18	16.67	1	0.6	83.33	3	1.2	1.8
VI	SANGEN3601	SANSKRIT BHASHA PRABODH - II	18	27.78	1	0.6	66.67	3	1.2	1.8
<b>Total</b>			<b>36</b>	<b>44.45</b>	<b>2</b>	<b>1.2</b>	<b>150</b>	<b>6</b>	<b>2.4</b>	<b>3.6</b>
<b>Average</b>			<b>18</b>	<b>22.22</b>	<b>1</b>	<b>0.6</b>	<b>75</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 Sociology**  
**Under Graduate Program : B.A.Sociology**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	42	76.19	3	1.8	95.24	3	1.2	3
	SOCSP3502	SOCIAL RESEARCH METHODS	18	88.89	3	1.8	94.44	3	1.2	3
	SOCSP3503	CONTEMPORARY INDIAN SOCIETY	18	72.22	3	1.8	100	3	1.2	3
VI	SOCGEN3601	WORK AND SOCIETY / CRIME AND SOCIETY	42	83.33	3	1.8	95.24	3	1.2	3
	SOCSP3602	SOCIAL RESEARCH METHODS	18	77.78	3	1.8	100	3	1.2	3
	SOCSP3603	CONTEMPORARY INDIAN SOCIETY	18	72.22	3	1.8	100	3	1.2	3
<b>Total</b>			<b>156</b>	<b>470.63</b>	<b>18</b>	<b>10.8</b>	<b>584.92</b>	<b>18</b>	<b>7.2</b>	<b>18</b>
<b>Average</b>			<b>26</b>	<b>78.44</b>	<b>3</b>	<b>1.8</b>	<b>97.49</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 Food Processing**  
**Under Graduate Program : B.Voc.Food Processing**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	41	90.24	3	1.8	100	3	1.2	3
	FP-14 T	FOOD QUALITY, LAWS AND REGULATIONS	41	39.02	1	0.6	100	3	1.2	1.8
	FP-15 T	PRINCIPLE OF POST HARVEST TECHNOLOGY	41	87.8	3	1.8	100	3	1.2	3
	FP-5.1 P	PRACTICAL OF DAIRY TECHNOLOGY	41	92.68	3	1.8	100	3	1.2	3
	FP-5.2 P	ENTREPRENEURSHIP DEVELOPMENT	41	100	3	1.8	100	3	1.2	3
	FP-5.3 P	PROJECT	41	100	3	1.8	100	3	1.2	3
VI	FP-16 T	ANIMAL PRODUCT TECHNOLOGY	41	80.49	3	1.8	100	3	1.2	3
	FP-17 T	FOOD, SAFETY, HYGIENE AND SANITATION	41	65.85	3	1.8	100	3	1.2	3
	FP-18 T	PACKAGING TECHNOLOGY	41	63.41	3	1.8	100	3	1.2	3
	FP-6.1 P	ANIMAL PRODUCT TECHNOLOGY	41	90.24	3	1.8	100	3	1.2	3
	FP-6.2 P	PRACTICAL OF PACKAGING TECHNOLOGY	41	97.56	3	1.8	100	3	1.2	3
	FP-6.3 P	INTERNSHIP	41	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>492</b>	<b>1007.29</b>	<b>34</b>	<b>20.4</b>	<b>1200</b>	<b>36</b>	<b>14.4</b>	<b>34.8</b>
<b>Average</b>			<b>41</b>	<b>83.94</b>	<b>2.83</b>	<b>1.7</b>	<b>100</b>	<b>3</b>	<b>1.2</b>	<b>2.9</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
2.9	3	2.03	0.9	2.93	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 Food Processing**  
**Post Graduate Program : M.Voc.Food Processing**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PMFP231A	DAIRY PROCESSING TECHNOLOGY	20	70	3	1.8	100	3	1.2	3
	PMFP232	POST HARVEST TECHNOLOGY	20	60	3	1.8	100	3	1.2	3
	PMFP233	FOOD SAFETY AND QUALITY MANAGEMENT	20	85	3	1.8	100	3	1.2	3
	PMFP234	DAIRY PROCESSING TECHNOLOGY	20	100	3	1.8	100	3	1.2	3
	PMFP235	POST HARVEST TECHNOLOGY	20	100	3	1.8	100	3	1.2	3
	PMFP236	STATISTICS AND RESEARCH METHODOLOGY	20	100	3	1.8	100	3	1.2	3
	PMFP237	INDUSTRIAL TRAINING / DISSERTATION PART-I	20	100	3	1.2	NA	NA	NA	1.2
IV	PMFP241	SEMINAR BASED ON CASE STUDY	20	90	3	1.8	100	3	1.2	3
	PMFP242	INDUSTRIAL VISIT	20	90	3	1.8	100	3	1.2	3
	PMFP243	INDUSTRIAL TRAINING / DISSERTATION PART-II	20	90	3	1.8	100	3	1.2	3
<b>Total</b>			<b>200</b>	<b>785</b>	<b>27</b>	<b>16.2</b>	<b>1000</b>	<b>30</b>	<b>12</b>	<b>28.2</b>
<b>Average</b>			<b>20</b>	<b>78.5</b>	<b>2.7</b>	<b>1.62</b>	<b>100</b>	<b>3</b>	<b>1.2</b>	<b>2.82</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
2.82	3	1.97	0.9	2.87	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 2023 - 2024**

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	12	41.67	2	1.2	16.67	1	0.4	1.6
	JR-502 T	INTRODUCTION TO MEDIA RESEARCH	12	8.33	1	0.6	83.33	3	1.2	1.8
	JR-503 T	MASS COMMUNICATION THEORY	12	25	1	0.6	16.67	1	0.4	1
	JR-504 P	CONTENT DEVELOPMENT FOR DIGITAL MEDIA	12	83.33	3	1.8	65.45	3	1.2	3
	JR-505 P	VIDEO PRODUCTION PROJECT	12	83.33	3	1.8	66.67	3	1.2	3
	JR-506 P	INDUSTRY INTERNSHIP	12	100	3	1.8	NA	NA	NA	1.8
VI	JR-601 T	BASICS OF ADVERTISING	12	16.67	1	0.6	8.33	1	0.4	1
	JR-602 T	BASICS OF PUBLIC RELATIONS	12	25	1	0.4	NA	NA	NA	0.4
	JR-603 T	MEDIA MANAGEMENT	12	8.33	1	0.6	75	3	1.2	1.8
	JR-604 P	ADVERTISING PRACTICES	12	83.33	3	1.8	41.67	2	0.8	2.6
	JR-605 P	DISSERTATION/IN-DEPTH REPORTING (IDR)	12	83.33	3	1.8	83.33	3	1.2	3
	JR-606 P	INTERNSHIP	12	83.33	3	1.8	NA	NA	NA	1.8
<b>Total</b>			<b>144</b>	<b>616.65</b>	<b>24</b>	<b>14.4</b>	<b>416.67</b>	<b>18</b>	<b>7.2</b>	<b>21.6</b>
<b>Average</b>			<b>12</b>	<b>51.39</b>	<b>2</b>	<b>1.2</b>	<b>34.72</b>	<b>1.5</b>	<b>0.6</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 Journalism**  
**Post Graduate Program : M.Voc.Journalism**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PMMS231B	DIGITAL ADVERTISING AND MARKETING	12	58.33	2	1.2	91.67	3	1.2	2.4
	PMMS232B	NEW MEDIA STUDIES AND DIGITAL CULTURE	12	25	1	0.6	91.67	3	1.2	1.8
	PMMS233B	NEW FRONTIERS OF DIGITAL JOURNALISM	12	16.67	1	0.6	8.33	1	0.4	1
	PMMS234B	GROUP PROJECT	12	58.33	2	1.2	41.67	2	0.8	2
	PMMS235B	AUDIO PRODUCTION	12	83.33	3	1.8	41.67	2	0.8	2.6
	PMMS236B	DIGITAL CONTENT DEVELOPMENT-I	12	75	3	1.8	91.67	3	1.2	3
IV	PMMS241B	INDUSTRIAL INTERNSHIP	12	91.67	3	1.8	100	3	1.2	3
	PMMS242B	STUDY VISITS AND REPORT	12	100	3	1.8	100	3	1.2	3
	PMMS243B	RESEARCH PROJECT / IN-DEPTH REPORTING	12	100	3	1.8	83.33	3	1.2	3
<b>Total</b>			<b>108</b>	<b>608.33</b>	<b>21</b>	<b>12.6</b>	<b>650.01</b>	<b>23</b>	<b>9.2</b>	<b>21.8</b>
<b>Average</b>			<b>12</b>	<b>67.59</b>	<b>2.33</b>	<b>1.4</b>	<b>72.22</b>	<b>2.56</b>	<b>1.02</b>	<b>2.42</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
2.42	3	1.69	0.9	2.59	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 Computer Science**  
**Under Graduate Program : B.Sc.Computer Science**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	117	21.37	1	0.6	68.38	3	1.2	1.8
	CSCO3502	THEORETICAL COMPUTER SCIENCE	117	12.82	1	0.6	63.25	3	1.2	1.8
	CSCO3503	COMPUTER NETWORKS - I	117	21.37	1	0.6	100	3	1.2	1.8
	CSCO3504	WEB DEVELOPMENT – I	117	17.09	1	0.6	79.49	3	1.2	1.8
	CSCO3505	ADVANCED PROGRAMMING IN JAVA	117	5.98	1	0.6	66.67	3	1.2	1.8
	CSCO3506	OBJECT ORIENTED SOFTWARE ENGINEERING	117	52.14	2	1.2	64.96	3	1.2	2.4
	CSCO3507	LAB COURSE I: BASED ON CSCO3501	117	52.14	2	1.2	86.32	3	1.2	2.4
	CSCO3508	LAB COURSE II: BASED ON CSCO3505	117	41.88	2	1.2	100	3	1.2	2.4
	CSCO3509	LAB COURSE III: BASED ON CSCO3504	117	63.25	3	1.8	72.65	3	1.2	3
VI	CSCO3601	ADVANCED OPERATING SYSTEM	117	28.21	1	0.6	80.34	3	1.2	1.8
	CSCO3602	COMPILER CONSTRUCTION	117	33.33	1	0.6	83.76	3	1.2	1.8
	CSCO3603	COMPUTER NETWORKS - II	117	54.7	2	1.2	96.58	3	1.2	2.4
	CSCO3604	WEB DEVELOPMENT-II	117	52.14	2	1.2	72.65	3	1.2	2.4
	CSCO3605	ADVANCED JAVA TECHNOLOGIES – FRAMEWORKS	117	11.11	1	0.6	99.15	3	1.2	1.8
	CSCO3606	SOFTWARE METRICS & PROJECT MANAGEMENT	117	52.99	2	1.2	91.45	3	1.2	2.4
	CSCO3607	LAB COURSE I: BASED ON CSCO3601	117	56.41	2	1.2	89.74	3	1.2	2.4
	CSCO3608	LAB COURSE II: BASED ON CSCO3605 & MINI PROJECT USING JAVA	117	37.61	1	0.6	62.39	3	1.2	1.8
	CSCO3609	LAB COURSE III: BASED ON CSCO3604 & MINI PROJECT USING PHP.	117	81.2	3	1.8	84.62	3	1.2	3

	<b>Total</b>	<b>2106</b>	<b>695.74</b>	<b>29</b>	<b>17.4</b>	<b>1462.4</b>	<b>54</b>	<b>21.6</b>	<b>39</b>
	<b>Average</b>	<b>117</b>	<b>38.65</b>	<b>1.61</b>	<b>0.97</b>	<b>81.24</b>	<b>3</b>	<b>1.2</b>	<b>2.17</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
2.17	3	1.52	0.9	2.42	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**  
**Post Graduate Program : M.Sc. Computer Science**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PSCS231	SOFTWARE ARCHITECTURE AND DESIGN PATTERN	33	9.09	1	0.6	100	3	1.2	1.8
	PSCS232	SOFT COMPUTING	33	72.73	3	1.8	72.73	3	1.2	3
	PSCS233	DATA SCIENCE AND ANALYTICS	33	69.7	3	1.8	87.88	3	1.2	3
	PSCS234	WEB SERVICES ARCHITECTURE USING . NET FRAMEWORK	33	33.33	1	0.6	96.97	3	1.2	1.8
	PSCS235A	EMERGING TECHNOLOGIES PYTHON PROGRAMMING	33	12.12	1	0.6	93.94	3	1.2	1.8
	PSCS236	LAB COURSE ON PSCS233, 234 AND PSCS235A	33	75.76	3	1.8	93.94	3	1.2	3
	PSCS237	PROJECT	33	100	3	1.8	78.79	3	1.2	3
IV	PSCS241	INDUSTRIAL TRAINING / INSTITUTIONAL PROJECT(IT)	33	100	3	1.8	100	3	1.2	3
Total			264	472.73	18	10.8	724.25	24	9.6	20.4
Average			33	59.09	2.25	1.35	90.53	3	1.2	2.55



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
2.55	3	1.78	0.9	2.68	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 Statistics**  
**Under Graduate Program : B.Sc. Statistics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	29	93.1	3	1.8	82.76	3	1.2	3
	STAT3502	STATISTICAL INFERENCE- I	29	86.21	3	1.8	100	3	1.2	3
	STAT3503	SAMPLING METHODS	29	55.17	2	1.2	100	3	1.2	2.4
	STAT3504	DESIGN OF EXPERIMENTS	29	51.72	2	1.2	89.66	3	1.2	2.4
	STAT3505	C- PROGRAMMING	29	37.93	1	0.6	89.66	3	1.2	1.8
	STAT3506(A)	INTRODUCTION TO STOCHASTIC PROCESSES	29	27.59	1	0.6	75.86	3	1.2	1.8
	STAT3507	STATISTICS PRACTICAL- V	29	24.14	1	0.6	100	3	1.2	1.8
	STAT3508	STATISTICS PRACTICAL- VI	29	79.31	3	1.8	100	3	1.2	3
	STAT3509	STATISTICS PRACTICAL- VII	29	75.86	3	1.8	100	3	1.2	3
VI	STAT3601	INTRODUCTION TO REGRESSION ANALYSIS	29	34.48	1	0.6	96.55	3	1.2	1.8
	STAT3602	STATISTICAL INFERENCE- II	29	58.62	2	1.2	55.17	2	0.8	2
	STAT3603	STATISTICAL QUALITY CONTROL AND RELIABILITY	29	34.48	1	0.6	100	3	1.2	1.8
	STAT3604	OPERATIONS RESEARCH	29	44.83	2	1.2	82.76	3	1.2	2.4
	STAT3605	STATISTICAL COMPUTING USING R- SOFTWARE	29	48.28	2	1.2	100	3	1.2	2.4
	STAT3606(B)	ACTUARIAL STATISTICS	29	37.93	1	0.6	79.31	3	1.2	1.8
	STAT3607	STATISTICS PRACTICAL- VIII	29	65.52	3	1.8	100	3	1.2	3
	STAT3608	STATISTICS PRACTICAL- IX	29	89.66	3	1.8	100	3	1.2	3
	STAT3609	PROJECT	29	100	3	1.8	100	3	1.2	3

	<b>Total</b>	<b>522</b>	<b>1044.83</b>	<b>37</b>	<b>22.2</b>	<b>651.73</b>	<b>53</b>	<b>21.2</b>	<b>43.4</b>
	<b>Average</b>	<b>29</b>	<b>58.05</b>	<b>2.06</b>	<b>1.23</b>	<b>91.76</b>	<b>2.94</b>	<b>1.18</b>	<b>2.41</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
2.41	3	1.69	0.9	2.59	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 Statistics**  
**Post Graduate Program : M.Sc. Statistics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PSST231	ASYMPTOTIC INFERENCE	42	9.52	1	0.6	59.52	2	0.8	1.4
	PSST232	DESIGN AND ANALYSIS OF EXPERIMENTS	42	38.1	1	0.6	88.1	3	1.2	1.8
	PSST233	TIME SERIES ANALYSIS	42	7.14	1	0.6	80.95	3	1.2	1.8
	PSST234A	DATA MINING	42	42.86	2	1.2	78.57	3	1.2	2.4
	PSST235	PRACTICAL PAPER-V	42	88.1	3	1.8	100	3	1.2	3
	PSST236	PRACTICAL PAPER-VI	42	95.24	3	1.8	100	3	1.2	3
IV	PSST241	STOCHASTIC PROCESSES	42	85.71	3	1.8	83.33	3	1.2	3
	PSST242	STATISTICAL PROCESS CONTROL	42	69.05	3	1.8	97.62	3	1.2	3
	PSST243	SURVIVAL ANALYSIS	42	33.33	1	0.6	95.24	3	1.2	1.8
	PSST244A	ACTUARIAL STATISTICS	42	73.81	3	1.8	97.62	3	1.2	3
	PSST245	PRACTICAL PAPER-VII	42	71.43	3	1.8	97.62	3	1.2	3
	PSST246	PROJECT	42	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>504</b>	<b>714.29</b>	<b>27</b>	<b>16.2</b>	<b>1078.57</b>	<b>35</b>	<b>14</b>	<b>30.2</b>
<b>Average</b>			<b>42</b>	<b>59.52</b>	<b>2.25</b>	<b>1.35</b>	<b>89.88</b>	<b>2.92</b>	<b>1.17</b>	<b>2.52</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
2.52	3	1.76	0.9	2.66	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 2023 - 2024**

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	38	68.42	3	1.8	86.84	3	1.2	3
	ZOO3502	MAMMALIAN HISTOLOGY	38	28.95	1	0.6	84.21	3	1.2	1.8
	ZOO3503	BIOCHEMISTRY	38	28.95	1	0.6	81.58	3	1.2	1.8
	ZOO3504	ENVIRONMENTAL BIOLOGY & TOXICOLOGY	38	42.11	2	1.2	78.95	3	1.2	2.4
	ZOO3505	PARASITOLOGY	38	63.16	3	1.8	94.74	3	1.2	3
	ZOO3506	CELL BIOLOGY	38	26.32	1	0.6	81.58	3	1.2	1.8
	ZOO3507	ZOOLOGY PRACTICAL-V	38	65.79	3	1.8	100	3	1.2	3
	ZOO3508	ZOOLOGY PRACTICAL-VI	38	68.42	3	1.8	92.11	3	1.2	3
	ZOO3509	ZOOLOGY PRACTICAL-VII	38	73.68	3	1.8	97.37	3	1.2	3
VI	ZOO3601	BIOLOGICAL TECHNIQUES	38	39.47	1	0.6	97.37	3	1.2	1.8
	ZOO3602	MAMMALIAN PHYSIOLOGY & ENDOCRINOLOGY	38	31.58	1	0.6	65.79	3	1.2	1.8
	ZOO3603	GENETICS & MOLECULAR BIOLOGY	38	39.47	1	0.6	81.58	3	1.2	1.8
	ZOO3604	ORGANIC EVOLUTION	38	42.11	2	1.2	94.74	3	1.2	2.4
	ZOO3605	GENERAL EMBRYOLOGY	38	55.26	2	1.2	86.84	3	1.2	2.4
	ZOO3606	MEDICAL ENTOMOLOGY	38	68.42	3	1.8	92.11	3	1.2	3
	ZOO3607	ZOOLOGY PRACTICAL-VIII	38	78.95	3	1.8	81.58	3	1.2	3
	ZOO3608	ZOOLOGY PRACTICAL-IX	38	71.05	3	1.8	84.21	3	1.2	3
	ZOO3609	PROJECT	38	97.37	3	1.8	92.11	3	1.2	3

	<b>Total</b>	<b>684</b>	<b>989.48</b>	<b>39</b>	<b>23.4</b>	<b>573.71</b>	<b>54</b>	<b>21.6</b>	<b>45</b>
	<b>Average</b>	<b>38</b>	<b>54.97</b>	<b>2.17</b>	<b>1.3</b>	<b>87.43</b>	<b>3</b>	<b>1.2</b>	<b>2.5</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
2.5	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 Zoology**  
**Post Graduate Program : M.Sc. Zoology**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PSZO231B	ANIMAL PHYSIOLOGY-I	15	60	3	1.8	93.33	3	1.2	3
	PSZO232	PHYSIOLOGY, BIOCHEMISTRY AND ECOLOGY OF INSECTS	15	73.33	3	1.8	93.33	3	1.2	3
	PSZO233	REPRODUCTIVE PHYSIOLOGY, HISTOLOGY AND HISTOCHEMISTRY OF MAMMALS	15	80	3	1.8	93.33	3	1.2	3
	PSZO234	ECONOMIC ZOOLOGY	15	86.67	3	1.8	93.33	3	1.2	3
	PSZO235B	PRACTICAL CORRESPONDING TO PSZO231B, PSZO232	15	93.33	3	1.8	100	3	1.2	3
	PSZO236	PRACTICAL CORRESPONDING TO PSZO233, PSZO234	15	93.33	3	1.8	100	3	1.2	3
IV	PSZO241B	ANIMAL PHYSIOLOGY-II	15	80	3	1.8	93.33	3	1.2	3
	PSZO242	IMMUNOLOGY AND PARASITOLOGY	15	86.67	3	1.8	93.33	3	1.2	3
	PSZO243	PEST CONTROL AND TOXICOLOGY	15	86.67	3	1.8	86.67	3	1.2	3
	PSZO244	ENVIRONMENTAL BIOLOGY AND ANIMAL SYSTEMATICS AND DIVERSITY	15	80	3	1.8	93.33	3	1.2	3
	PSZO245B	PRACTICAL CORRESPONDING TO PSZO241B, PSZO242, PSZO243 AND PSZO244	15	93.33	3	1.8	100	3	1.2	3
	PSZO246	RESEARCH PROJECT	15	86.67	3	1.8	86.67	3	1.2	3
<b>Total</b>			<b>180</b>	<b>1000</b>	<b>36</b>	<b>21.6</b>	<b>126.67</b>	<b>36</b>	<b>14.4</b>	<b>36</b>
<b>Average</b>			<b>15</b>	<b>83.33</b>	<b>3</b>	<b>1.8</b>	<b>93.89</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 Botany**  
**Under Graduate Program : B.Sc. Botany**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)	8	12.5	1	0.6	37.5	1	0.4	1
	BOT3502	SPERMATOPHYTES AND PALAEOBOTANY	8	12.5	1	0.6	100	3	1.2	1.8
	BOT3503	CELL AND MOLECULAR BIOLOGY	8	37.5	1	0.6	37.5	1	0.4	1
	BOT3504	INDUSTRIAL BOTANY	8	12.5	1	0.6	62.5	3	1.2	1.8
	BOT3505	BIOSTATISTICS	8	12.5	1	0.6	75	3	1.2	1.8
	BOT3506	RESEARCH METHODOLOGY	8	12.5	1	0.6	62.5	3	1.2	1.8
	BOT3507	BOTANY PRACTICAL - I	8	12.5	1	0.6	37.5	1	0.4	1
	BOT3508	BOTANY PRACTICAL - II	8	37.5	1	0.6	25	1	0.4	1
	BOT3509	BOTANY PRACTICAL - III	8	75	3	1.8	62.5	3	1.2	3
VI	BOT3601	PLANT PHYSIOLOGY AND BIOCHEMISTRY	8	25	1	0.6	100	3	1.2	1.8
	BOT3602	PLANT BIOTECHNOLOGY	8	12.5	1	0.6	100	3	1.2	1.8
	BOT3603	GENETICS AND PLANT BREEDING	8	12.5	1	0.6	37.5	1	0.4	1
	BOT3604	PLANT PATHOLOGY	8	25	1	0.6	87.5	3	1.2	1.8
	BOT3605	PHARMACOGNOSY	8	25	1	0.6	100	3	1.2	1.8
	BOT3606	BOTANICAL TECHNIQUES	8	12.5	1	0.6	75	3	1.2	1.8
	BOT3607	BOTANY PRACTICAL - I	8	75	3	1.8	100	3	1.2	3
	BOT3608	BOTANY PRACTICAL - II	8	62.5	3	1.8	25	1	0.4	2.2
	BOT3609	PROJECT	8	100	3	1.8	75	3	1.2	3

	<b>Total</b>	<b>144</b>	<b>575</b>	<b>26</b>	<b>15.6</b>	<b>1200</b>	<b>42</b>	<b>16.8</b>	<b>32.4</b>
	<b>Average</b>	<b>8</b>	<b>31.94</b>	<b>1.44</b>	<b>0.87</b>	<b>66.67</b>	<b>2.33</b>	<b>0.93</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 Botany

Post Graduate Program : M.Sc. Botany

Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

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)
III	PSBT231	ANGIOSPERS AND EVOLUTION	21	76.19	3	1.8	100	3	1.2	3
	PSBT232	DEVELOPMENTAL BOTANY	21	76.19	3	1.8	100	3	1.2	3
	PSBT233	COMPUTATIONAL BOTANY	21	61.9	3	1.8	100	3	1.2	3
	PSBT234A	ADVANCED PLANT PHYSIOLOGY-I	6	100	3	1.8	100	3	1.2	3
	PSBT234B	ADVANCED MYCOLOGY AND PLANT PATHOLOGY-I	5	100	3	1.8	100	3	1.2	3
	PSBT234C	BRYOLOGY-I	5	100	3	1.8	100	3	1.2	3
	PSBT234D	ANGIOSPERM TAXONOMY-I	5	60	3	1.8	100	3	1.2	3
	PSBT235	PRACTICAL BASED ON PSBT231, 232 AND 233	21	100	3	1.8	100	3	1.2	3
	PSBT236A	PRACTICAL BASED ON SPECIAL PAPER ADVANCED PLANT PHYSIOLOGY-I	6	100	3	1.8	100	3	1.2	3
	PSBT236B	PRACTICAL BASED ON SPECIAL PAPER ADVANCED MYCOLOGY AND PLANT PATHOLOGY-I	5	100	3	1.8	100	3	1.2	3
	PSBT236C	PRACTICAL BASED ON SPECIAL PAPER BRYOLOGY-I	5	100	3	1.8	100	3	1.2	3
	PSBT236D	PRACTICALS BASED ON SPECIAL PAPER ANGIOSPERM TAXONOMY-I	5	100	3	1.8	100	3	1.2	3
IV	PSBT241	PLANT PATHOLOGY	21	90.48	3	1.8	95.24	3	1.2	3
	PSBT242	INDUSTRIAL BOTANY	21	61.9	3	1.8	95.24	3	1.2	3
	PSBT243	PLANT BIOTECHNOLOGY	21	52.38	2	1.2	100	3	1.2	2.4
	PSBT244A	ADVANCED PLANT PHYSIOLOGY-II	6	100	3	1.8	100	3	1.2	3
	PSBT244B	ADVANCED MYCOLOGY AND PLANT PATHOLOGY-II	5	100	3	1.8	100	3	1.2	3
	PSBT244C	BRYOLOGY-II	5	60	3	1.8	100	3	1.2	3
	PSBT244D	ANGIOSPERM TAXONOMY-II	5	60	3	1.8	100	3	1.2	3

IV	PSBT245	PRACTICAL BASED ON PSBT411, 412 AND 413	21	90.48	3	1.8	90.48	3	1.2	3
	PSBT246	RESEARCH PROJCT AND SUMMER TRAINING	21	95.24	3	1.8	80.95	3	1.2	3
Total			252	1784.76	62	37.2	2061.91	63	25.2	62.4
Average			12	84.99	2.95	1.77	98.19	3	1.2	2.97



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
2.97	3	2.08	0.9	2.98	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 Chemistry**  
**Under Graduate Program : B.Sc. Chemistry**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	60	30	1	0.6	100	3	1.2	1.8
	CHEM3502	INORGANIC CHEMISTRY-I	60	60	3	1.8	96.67	3	1.2	3
	CHEM3503	ORGANIC CHEMISTRY-I	60	10	1	0.6	100	3	1.2	1.8
	CHEM3504	ANALYTICAL CHEMISTRY-I	60	40	2	1.2	86.67	3	1.2	2.4
	CHEM3505	INDUSTRIAL CHEMISTRY-I	60	61.67	3	1.8	100	3	1.2	3
	CHEM3506(D)	ENVIRONMENTAL AND GREEN CHEMISTRY-I	60	18.33	1	0.6	95	3	1.2	1.8
	CHEM3507	PHYSICAL CHEMISTRY PRACTICAL-I	60	91.67	3	1.8	100	3	1.2	3
	CHEM3508	INORGANIC CHEMISTRY PRACTICAL- I	60	95	3	1.8	100	3	1.2	3
	CHEM3509	ORGANIC CHEMISTRY PRACTICAL - I	60	90	3	1.8	100	3	1.2	3
VI	CHEM3601	PHYSICAL CHEMISTRY- II	60	33.33	1	0.6	96.67	3	1.2	1.8
	CHEM3602	INORGANIC CHEMISTRY-II	60	36.67	1	0.6	85	3	1.2	1.8
	CHEM3603	ORGANIC CHEMISTRY-II	60	10	1	0.6	71.67	3	1.2	1.8
	CHEM3604	ANALYTICAL CHEMISTRY-II	60	31.67	1	0.6	88.33	3	1.2	1.8
	CHEM3605	INDUSTRIAL CHEMISTRY-II	60	60	3	1.8	98.33	3	1.2	3
	CHEM3606(D)	ENVIRONMENTAL AND GREEN CHEMISTRY-II	60	15	1	0.6	70	3	1.2	1.8
	CHEM3607	PHYSICAL CHEMISTRY PRACTICAL-II OR PHYSICAL CHEMISTRY PROJECT	60	75	3	1.8	100	3	1.2	3
	CHEM3608	INORGANIC CHEMISTRY PRACTICAL- II OR INORGANIC CHEMISTRY PROJECT	60	71.67	3	1.8	100	3	1.2	3
	CHEM3609	ORGANIC CHEMISTRY PRACTICAL – II OR ORGANIC CHEMISTRY PROJECT	60	91.67	3	1.8	98.33	3	1.2	3

	<b>Total</b>	<b>1080</b>	<b>921.68</b>	<b>37</b>	<b>22.2</b>	<b>686.67</b>	<b>54</b>	<b>21.6</b>	<b>43.8</b>
	<b>Average</b>	<b>60</b>	<b>51.2</b>	<b>2.06</b>	<b>1.23</b>	<b>93.7</b>	<b>3</b>	<b>1.2</b>	<b>2.43</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
2.43	3	1.7	0.9	2.6	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 Chemistry**  
**Post Graduate Program : M.Sc.Chemistry (Analytical)**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PSCHA231	ANALYTICAL METHOD DEVELOPMENT AND VALIDATION, NANOTECHNOLOGY	45	48.89	2	1.2	91.11	3	1.2	2.4
	PSCHA232	ELECTROCHEMICAL METHODS AND FOOD ANALYSIS	45	46.67	2	1.2	97.78	3	1.2	2.4
	PSCHA233	PHARMACEUTICAL ANALYSIS	45	73.33	3	1.8	86.67	3	1.2	3
	PSCHA234	CHARACTERIZATION TECHNIQUES	45	31.11	1	0.6	95.56	3	1.2	1.8
	PSCHA235	ANALYSIS OF MATERIALS	45	100	3	1.8	100	3	1.2	3
	PSCHA236	INSTRUMENTAL ANALYSIS	45	100	3	1.8	100	3	1.2	3
IV	PSCHA241	FORENSIC SCIENCE	45	64.44	3	1.8	91.11	3	1.2	3
	PSCHA242	ADVANCES IN ANALYTICAL TECHNIQUES	45	48.89	2	1.2	100	3	1.2	2.4
	PSCHA243	ANALYTICAL METHODS FOR ANALYSIS OF FERTILIZERS, DETERGENTS, WATER AND POLYMER, PAINT AND PIGMENT	45	42.22	2	1.2	100	3	1.2	2.4
	PSCHA244	METHOD OF ANALYSIS AND APPLICATIONS	45	44.44	2	1.2	97.78	3	1.2	2.4
	PSCHA245	ANALYSIS OF PHARMACEUTICAL, FOOD AND BIO ANALYTICAL SAMPLES	45	100	3	1.8	100	3	1.2	3
	PSCHA246	PROJECT WORK	45	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>540</b>	<b>799.99</b>	<b>29</b>	<b>17.4</b>	<b>160.01</b>	<b>36</b>	<b>14.4</b>	<b>31.8</b>
<b>Average</b>			<b>45</b>	<b>66.67</b>	<b>2.42</b>	<b>1.45</b>	<b>96.67</b>	<b>3</b>	<b>1.2</b>	<b>2.65</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
2.65	3	1.86	0.9	2.76	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 Chemistry**  
**Post Graduate Program : M.Sc. Chemistry (Inorganic)**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PSCHI231	ORGANOMETALLIC CHEMISTRY AND HOMOGENEOUS CATALYSIS	13	61.54	3	1.8	76.92	3	1.2	3
	PSCHI232	INORGANIC REACTION MECHANISM AND PHOTOCHEMISTRY	13	46.15	2	1.2	84.62	3	1.2	2.4
	PSCHI233	PHYSICAL METHODS IN INORGANIC CHEMISTRY	13	38.46	1	0.6	69.23	3	1.2	1.8
	PSCHI234	BIOINORGANIC AND INORGANIC MEDICINAL CHEMISTRY	13	69.23	3	1.8	84.62	3	1.2	3
	PSCHI235	ANALYSIS, ESTIMATIONS AND COMPUTER APPLICATIONS	13	100	3	1.8	92.31	3	1.2	3
	PSCHI236	INORGANIC PREPARATIONS AND INSTRUMENTAL ANALYSIS	13	84.62	3	1.8	100	3	1.2	3
IV	PSCHI241	HETEROGENEOUS CATALYSIS AND INORGANIC POLYMERS	13	69.23	3	1.8	92.31	3	1.2	3
	PSCHI242	MATERIAL SCIENCE-I INORGANIC MATERIALS AND SOLID STATE CHEMISTRY	13	53.85	2	1.2	76.92	3	1.2	2.4
	PSCHI243	MATERIAL SCIENCE-II NANO MATERIALS	13	46.15	2	1.2	100	3	1.2	2.4
	PSCHI244	INORGANIC APPLICATIONS IN INDUSTRY AND ENVIRONMENTAL CHEMISTRY	13	46.15	2	1.2	76.92	3	1.2	2.4
	PSCHI245	EXTENDED PRACTICALS IN INORGANIC CHEMISTRY	13	100	3	1.8	100	3	1.2	3
	PSCHI246	PROJECT WORK	13	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>156</b>	<b>815.38</b>	<b>30</b>	<b>18</b>	<b>1053.85</b>	<b>36</b>	<b>14.4</b>	<b>32.4</b>
<b>Average</b>			<b>13</b>	<b>67.95</b>	<b>2.5</b>	<b>1.5</b>	<b>87.82</b>	<b>3</b>	<b>1.2</b>	<b>2.7</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
2.7	3	1.89	0.9	2.79	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 Chemistry**  
**Post Graduate Program : M.Sc. Chemistry (Organic)**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PSCHO231	DESIGNING OF ORGANIC SYNTHESIS AND HETEROCYCLIC CHEMISTRY	48	64.58	3	1.8	93.75	3	1.2	3
	PSCHO232	SPECTROSCOPIC METHODS IN STRUCTURE DETERMINATION	48	89.58	3	1.8	93.75	3	1.2	3
	PSCHO233	ORGANIC STEREOCHEMISTRY-I AND ORGANIC REACTION MECHANISM	48	66.67	3	1.8	87.5	3	1.2	3
	PSCHO234	PHOTOCHEMISTRY, FREE RADICALS AND PERICYCLIC REACTIONS	48	31.25	1	0.6	91.67	3	1.2	1.8
	PSCHO235	SINGLE STAGE PREPARATIONS	48	100	3	1.8	100	3	1.2	3
	PSCHO236	DOUBLE STAGE PREPARATIONS	48	100	3	1.8	100	3	1.2	3
IV	PSCHO241	CHEMISTRY OF NATURAL PRODUCTS	48	50	2	1.2	100	3	1.2	2.4
	PSCHO242	ADVANCED SYNTHETIC ORGANIC CHEMISTRY	48	87.5	3	1.8	95.83	3	1.2	3
	PSCHO243	BIOMOLECULES, ORGANIC CHEMISTRY OF DRUG DESIGN AND CHIRAL DRUGS	48	64.58	3	1.8	100	3	1.2	3
	PSCHO244	ORGANIC STEREOCHEMISTRY-II AND ASYMMETRIC SYNTHESIS	48	41.67	2	1.2	97.92	3	1.2	2.4
	PSCHO245	INNOVATIVE EXPERIMENTS IN ORGANIC CHEMISTRY	48	100	3	1.8	100	3	1.2	3
	PSCHO246	PROJECT WORK	48	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>576</b>	<b>895.83</b>	<b>32</b>	<b>19.2</b>	<b>160.42</b>	<b>36</b>	<b>14.4</b>	<b>33.6</b>
<b>Average</b>			<b>48</b>	<b>74.65</b>	<b>2.67</b>	<b>1.6</b>	<b>96.7</b>	<b>3</b>	<b>1.2</b>	<b>2.8</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
2.8	3	1.96	0.9	2.86	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.Commerce**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	366	45.9	2	1.2	65.57	3	1.2	2.4
	COMAA3502	ADVANCED ACCOUNTING - I	366	34.15	1	0.6	83.88	3	1.2	1.8
	COMIE3503	INTERNATIONAL ECONOMICS - I	366	48.91	2	1.2	94.81	3	1.2	2.4
	COMA3504	AUDITING	366	35.25	1	0.6	75.68	3	1.2	1.8
	COMMM3505A	MARKETING MANAGEMENT - III	69	63.77	3	1.8	86.96	3	1.2	3
	COMCWA3505	COST AND WORKS ACCOUNTING - III	127	62.99	3	1.8	80.31	3	1.2	3
	COMBF3505C	BANKING AND FINANCE - III	102	46.08	2	1.2	90.2	3	1.2	2.4
	COMBS3505D	BUSINESS STATISTICS - III	68	32.35	1	0.6	42.65	2	0.8	1.4
	COMMM3506A	MARKETING MANAGEMENT - IV	69	21.74	1	0.6	98.55	3	1.2	1.8
	COMCWA3506	COST AND WORKS ACCOUNTING - IV	127	52.76	2	1.2	84.25	3	1.2	2.4
	COMBF3506C	BANKING AND FINANCE - IV	102	23.53	1	0.6	96.08	3	1.2	1.8
	COMBS3506D	BUSINESS STATISTICS - IV	68	36.76	1	0.6	91.18	3	1.2	1.8
VI	COMBRF3601	BUSINESS REGULATORY FRAMEWORK-II	366	50	2	1.2	83.06	3	1.2	2.4
	COMAA3602	ADVANCED ACCOUNTING - II	366	61.48	3	1.8	90.71	3	1.2	3
	COMIE3603	INTERNATIONAL ECONOMICS - II	366	43.44	2	1.2	92.62	3	1.2	2.4
	COMT3604	TAXATION	366	60.66	3	1.8	83.33	3	1.2	3
	COMMM3605A	MARKETING MANAGEMENT - V	69	36.23	1	0.6	86.96	3	1.2	1.8
	COMCWA3605	COST AND WORKS ACCOUNTING - V	127	68.5	3	1.8	87.4	3	1.2	3
	COMBF3605C	BANKING AND FINANCE - V	102	41.18	2	1.2	74.51	3	1.2	2.4

VI	COMBS3605D	BUSINESS STATISTICS - V	68	38.24	1	0.6	64.71	3	1.2	1.8
	COMMM3606A	MARKETING MANAGEMENT - VI	69	26.09	1	0.6	85.51	3	1.2	1.8
	COMCWA3606	COST AND WORKS ACCOUNTING- VI	127	81.89	3	1.8	94.49	3	1.2	3
	COMBF3606C	BANKING AND FINANCE – VI	102	29.41	1	0.6	97.06	3	1.2	1.8
	COMBS3606D	BUSINESS STATISTICS - VI	68	61.76	3	1.8	88.24	3	1.2	3
Total			4392	1103.07	45	27	2018.72	71	28.4	55.4
Average			183	45.96	1.88	1.13	84.11	2.96	1.18	2.31



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
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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
2.31	3	1.62	0.9	2.52	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**  
**Post Graduate Program : M.Com.Commerce**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PCCO231	Business Finance	57	26.32	1	0.6	80.7	3	1.2	1.8
	PCCO232	Research Methodology for Business	57	43.86	2	1.2	78.95	3	1.2	2.4
	PCCO233	Advanced Auditing	57	31.58	1	0.6	89.47	3	1.2	1.8
	PCCO234	Specialized Areas in Auditing	57	31.58	1	0.6	82.46	3	1.2	1.8
	PCCOSEC1	Skill Development-I	57	94.74	3	1.8				1.8
IV	PCCO241	Capital Markets and Financial Services	57	43.86	2	1.2	77.19	3	1.2	2.4
	PCCO242	Industrial Economic Environment	57	54.39	2	1.2	94.74	3	1.2	2.4
	PCCO243	Recent Trends in Accounting and Taxation	57	43.86	2	1.2	98.25	3	1.2	2.4
	PCCO244	Recent Trends in Auditing	57	43.86	2	1.2	64.91	3	1.2	2.4
	PCCO245	Project Work	57	60.81	3	1.8	NA	NA	NA	1.8
	PCCOSEC2	Skill Development-II	57	54.39	2	1.2	NA	NA	NA	1.2
Total			627	468.44	18	10.8	666.67	24	9.6	20.4
Average			57	42.59	1.64	0.98	60.61	2.18	0.87	1.85



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
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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 Economics**  
**Under Graduate Program : B.A.Economics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	50	16	1	0.6	80	3	1.2	1.8
	ECOSPL3502	INTERNATIONAL ECONOMICS-I	16	18.75	1	0.6	87.5	3	1.2	1.8
	ECOSPL3503	ELEMENTARY QUANTITATIVE TECHNIQUE-I	16	12.5	1	0.6	81.25	3	1.2	1.8
VI	ECOGEN3601	ECONOMIC DEVELOPMENT AND PLANNING-II	50	16	1	0.6	82	3	1.2	1.8
	ECOSPL3602	INTERNATIONAL ECONOMICS-II	16	31.25	1	0.6	25	1	0.4	1
	ECOSPL3603	ELEMENTARY QUANTITATIVE TECHNIQUE-II	16	62.5	3	1.8	18.75	1	0.4	2.2
<b>Total</b>			<b>164</b>	<b>157</b>	<b>8</b>	<b>4.8</b>	<b>374.5</b>	<b>14</b>	<b>5.6</b>	<b>10.4</b>
<b>Average</b>			<b>27.33</b>	<b>26.17</b>	<b>1.33</b>	<b>0.8</b>	<b>62.42</b>	<b>2.33</b>	<b>0.93</b>	<b>1.73</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
1.73	3	1.21	0.9	2.11	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**  
**Post Graduate Program : M.A.Economics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PAEC231	MACRO ECONOMICS-I	24	45.83	2	1.2	95.83	3	1.2	2.4
	PAEC232	ECONOMICS OF GROWTH AND DEVELOPMENT-I	24	50	2	1.2	100	3	1.2	2.4
	PAEC233	AGRIBUSINESS ECONOMICS-I	24	41.67	2	1.2	100	3	1.2	2.4
	PAEC234	RESEARCH METHODOLOGY	24	50	2	1.2	100	3	1.2	2.4
	PAECSEC1	COMPUTER APPLICATION-I	24	100	3	1.8	91.67	3	1.2	3
	PAECSEC2	TOURISM MANAGEMENT-I	24	100	3	1.8	100	3	1.2	3
IV	PAEC241	MACRO ECONOMICS-II	24	33.33	1	0.6	100	3	1.2	1.8
	PAEC242	ECONOMICS OF GROWTH AND DEVELOPMENT-II	24	37.5	1	0.6	100	3	1.2	1.8
	PAEC243	AGRIBUSINESS ECONOMICS-II	24	41.67	2	1.2	100	3	1.2	2.4
	PAEC244A	MODERN BANKING	24	37.5	1	0.6	91.67	3	1.2	1.8
	PAECRP	RESEARCH PROJECT	24	91.67	3	1.8	95.83	3	1.2	3
	PAECSEC3	COMPUTER APPLICATION-II	24	100	3	1.8	100	3	1.2	3
	PAECSEC4	TOURISM MANAGEMENT-II	24	95.83	3	1.8	100	3	1.2	3
<b>Total</b>			<b>312</b>	<b>825</b>	<b>28</b>	<b>16.8</b>	<b>1275</b>	<b>39</b>	<b>15.6</b>	<b>32.4</b>
<b>Average</b>			<b>24</b>	<b>63.46</b>	<b>2.15</b>	<b>1.29</b>	<b>98.08</b>	<b>3</b>	<b>1.2</b>	<b>2.49</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
2.49	3	1.74	0.9	2.64	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 2023 - 2024**

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	9	22.22	1	0.6	100	3	1.2	1.2
	ELE3502	8051 MICROCONTROLLER	9	22.22	1	0.6	100	3	1.2	1.8
	ELE3503	ANALOG CIRCUIT DESIGN AND APPLICATIONS OF LINEAR ICS	9	22.22	1	0.6	100	3	1.2	1.8
	ELE3504	PRINCIPLES OF SEMICONDUCTOR DEVICES	9	22.22	1	0.6	100	3	1.2	1.8
	ELE3505	FUNDAMENTALS OF 'C' PROGRAMMING	9	49.76	1	0.6	100	3	1.2	1.8
	ELE3506	OPTICAL FIBER COMMUNICATION	9	33.33	1	0.6	100	3	1.2	1.8
	ELE3507	ELECTRONICS PRACTICAL - I	9	100	3	1.8	100	3	1.2	3
	ELE3508	ELECTRONICS PRACTICAL – II	9	100	3	1.8	100	3	1.2	3
	ELE3509	ELECTRONICS PRACTICAL – III (PROJECT)	9	100	3	1.8	100	3	1.2	3
VI	ELE3601	ADVANCED COMMUNICATION SYSTEMS	9	11.11	1	0.6	100	3	1.2	1.8
	ELE3602	8051 'C' PROGRAMMING AND EMBEDDED SYSTEMS	9	22.22	1	0.6	55.56	2	0.8	1.4
	ELE3603	POWER DEVICES AND CIRCUITS	9	11.11	1	0.6	100	3	1.2	1.8
	ELE3604	FOUNDATION OF NANO ELECTRONICS	9	22.22	1	0.6	100	3	1.2	1.8
	ELE3605	MATHEMATICAL METHODS AND CIRCUIT SIMULATION USING MATLAB	9	22.22	1	0.6	100	3	1.2	1.8
	ELE3606	INDUSTRIAL AUTOMATION	9	44.44	2	1.2	100	3	1.2	2.4
	ELE3607	ELECTRONICS PRACTICAL - I	9	55.56	2	1.2	100	3	1.2	2.4
	ELE3608	ELECTRONICS PRACTICAL – II	9	55.56	2	1.2	100	3	1.2	2.4
	ELE3609	ELECTRONICS PRACTICAL – III (PROJECT)	9	55.56	2	1.2	100	3	1.2	2.4

	<b>Total</b>	<b>162</b>	<b>699.99</b>	<b>26</b>	<b>15.6</b>	<b>755.56</b>	<b>53</b>	<b>21.2</b>	<b>36.8</b>
	<b>Average</b>	<b>9</b>	<b>38.89</b>	<b>1.44</b>	<b>0.87</b>	<b>97.53</b>	<b>2.94</b>	<b>1.18</b>	<b>2.04</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
2.04	3	1.43	0.9	2.33	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**  
**Post Graduate Program : M.Sc.Electronics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PSEL231	ADVANCED COMMUNICATION ELECTRONICS	14	14.29	1	0.6	100	3	1.2	1.8
	PSEL232	ADVANCED EMBEDDED SYSTEMS	14	14.29	1	0.6	100	3	1.2	1.8
	PSEL233	DIGITAL SIGNAL PROCESSING	14	7.14	1	0.6	71.43	3	1.2	1.8
	PSEL234	PROGRAMMABLE LOGIC CONTROLLERS AND SUPERVISORY CONTROL AND DATA ACQUISITION	14	28.57	1	0.6	71.43	3	1.2	1.8
	PSEL235	PRACTICAL PAPER-V	14	92.86	3	1.8	100	3	1.2	3
	PSEL236	PRACTICAL PAPER-VI	14	71.43	3	1.8	71.43	3	1.2	3
IV	PSEL241	CONTROL SYSTEM	14	28.57	1	0.6	100	3	1.2	1.8
	PSEL242	ADVANCED POWER ELECTRONICS	14	100	3	1.8	100	3	1.2	3
	PSEL243	FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE	14	21.43	1	0.6	100	3	1.2	1.8
	PSEL244	WIRELESS SENSOR NETWORK	14	21.43	1	0.6	92.86	3	1.2	1.8
	PSEL245	PROJECT	14	64.29	3	1.8	100	3	1.2	3
<b>Total</b>			<b>154</b>	<b>364.3</b>	<b>16</b>	<b>9.6</b>	<b>1007.15</b>	<b>33</b>	<b>13.2</b>	<b>22.8</b>
<b>Average</b>			<b>14</b>	<b>33.12</b>	<b>1.45</b>	<b>0.87</b>	<b>91.56</b>	<b>3</b>	<b>1.2</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 English**  
**Under Graduate Program : B.A. English**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	157	3.82	1	0.6	43.31	2	0.8	1.4
	ENGGEN3502	ADVANCED STUDY OF ENGLISH LANGUAGE AND LITERATURE	5	60	3	1.8	40	2	0.8	2.6
	ENGSP3503	APPRECIATING NOVEL	4	50	2	1.2	75	3	1.2	2.4
	ENGSP3504	INTRODUCTION TO LITERARY CRITICISM	4	50	2	1.2	50	2	0.8	2
VI	ENGCO3601	COMPULSORY ENGLISH	157	7.01	1	0.6	74.52	3	1.2	1.8
	ENGGE3602	ADVANCED STUDY OF ENGLISH LANGUAGE AND LITERATURE	5	60	3	1.8	100	3	1.2	3
	ENGSP3603	APPRECIATING NOVEL	4	50	2	1.2	100	3	1.2	2.4
	ENGSP3604	INTRODUCTION TO LITERARY CRITICISM	4	50	2	1.2	100	3	1.2	2.4
<b>Total</b>			<b>340</b>	<b>330.83</b>	<b>16</b>	<b>9.6</b>	<b>582.83</b>	<b>21</b>	<b>8.4</b>	<b>18</b>
<b>Average</b>			<b>42.5</b>	<b>41.35</b>	<b>2</b>	<b>1.2</b>	<b>72.85</b>	<b>2.62</b>	<b>1.05</b>	<b>2.25</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
2.25	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 English**  
**Post Graduate Program : M.A.English**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PAEN231	INDIAN WRITINGS IN ENGLISH-I	11	45.45	2	1.2	90.91	3	1.2	2.4
	PAEN232	ENGLISH LANGUAGE AND LITERATURE TEACHING-I	11	63.64	3	1.8	54.55	2	0.8	2.6
	PAEN233	DRAMA IN ENGLISH-I	11	36.36	1	0.6	63.64	3	1.2	1.8
	PAEN234	AMERICAN LITERATURE-I	11	45.45	2	1.2	90.91	3	1.2	2.4
	PAENSEC1	RESEARCH METHODOLOGY IN ENGLISH-I	11	100	3	1.8	100	3	1.2	3
	PAENSEC2	RESEARCH METHODOLOGY IN ENGLISH-II	11	81.82	3	1.8	100	3	1.2	3
IV	PAEN241	INDIAN WRITINGS IN ENGLISH-II	11	72.73	3	1.8	63.64	3	1.2	3
	PAEN242	ENGLISH LANGUAGE AND LITERATURE TEACHING-II	11	81.82	3	1.8	72.73	3	1.2	3
	PAEN243	DRAMA IN ENGLISH-II	11	18.18	1	0.6	90.91	3	1.2	1.8
	PAEN244	AMERICAN LITERATURE-II	11	54.55	2	1.2	54.55	2	0.8	2
	PAENRP	RESEARCH PROJECT	11	45.45	2	1.2	72.73	3	1.2	2.4
	PAENSEC3	RESEARCH METHODOLOGY IN ENGLISH-III	11	90.91	3	1.8	81.82	3	1.2	3
	PAENSEC4	RESEARCH METHODOLOGY IN ENGLISH-IV	11	72.73	3	1.8	45.45	2	0.8	2.6
<b>Total</b>			<b>143</b>	<b>809.09</b>	<b>31</b>	<b>18.6</b>	<b>981.84</b>	<b>36</b>	<b>14.4</b>	<b>33</b>
<b>Average</b>			<b>11</b>	<b>62.24</b>	<b>2.38</b>	<b>1.43</b>	<b>75.53</b>	<b>2.77</b>	<b>1.11</b>	<b>2.54</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
2.54	3	1.78	0.9	2.68	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 Geography**  
**Under Graduate Program : B.A. Geography**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	55	69.09	3	1.8	76.36	3	1.2	3
	GEOSPL3502	PHYSICAL GEOGRAPHY OF INDIA	21	38.1	1	0.6	85.71	3	1.2	1.8
	GEOSPL3503	PRACTICAL IN MAP READING AND MAP MAKING	21	85.71	3	1.8	90.48	3	1.2	3
VI	GEOGEN3601	GEOGRAPHY OF TOURISM-II	55	56.36	2	1.2	72.73	3	1.2	2.4
	GEOSPL3602	HUMAN GEOGRAPHY OF INDIA	21	52.38	2	1.2	80.95	3	1.2	2.4
	GEOSPL3603	PRACTICAL IN STATISTICAL TECHNIQUES	21	100	3	1.8	90.48	3	1.2	3
<b>Total</b>			<b>194</b>	<b>401.64</b>	<b>14</b>	<b>8.4</b>	<b>496.71</b>	<b>18</b>	<b>7.2</b>	<b>15.6</b>
<b>Average</b>			<b>32.33</b>	<b>66.94</b>	<b>2.33</b>	<b>1.4</b>	<b>82.79</b>	<b>3</b>	<b>1.2</b>	<b>2.6</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
2.6	3	1.82	0.9	2.72	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 Geography**  
**Post Graduate Program : M.A. Geography**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PAGG231	GEO INFORMATICS-II	4	100	3	1.8	100	3	1.2	3
	PAGG232	RESEARCH METHODOLOGY	4	75	3	1.8	100	3	1.2	3
	PAGG233	AGRO METEOROLOGY	4	100	3	1.8	100	3	1.2	3
	PAGG234	PRACTICAL IN GIS	4	100	3	1.8	100	3	1.2	3
	PAGG235	WATERSHED MANAGEMENT	4	100	3	1.8	100	3	1.2	3
	PAGG236B	PRACTICAL IN CLIMATOLOGY	4	100	3	1.8	100	3	1.2	3
	PAGGSEC1	ADVANCED TECHNIQUES IN GOOGLE EARTH	4	100	3	1.8	100	3	1.2	3
IV	PAGG241	GEOGRAPHY OF INDIA	4	100	3	1.8	100	3	1.2	3
	PAGG242	OCEANOGRAPHY	4	100	3	1.8	100	3	1.2	3
	PAGG243	GEOGRAPHICAL THOUGHTS	4	100	3	1.8	100	3	1.2	3
	PAGG244	GEOGRAPHY OF SOILS	4	100	3	1.8	100	3	1.2	3
	PAGG245	PRACTICAL IN REMOTE SENSING	4	100	3	1.8	100	3	1.2	3
	PAGG246	DISSERTATION	4	100	3	1.8	NA	NA	NA	1.8
	PAGGSEC2	ADVANCED TECHNIQUES IN GOOGLE MAP	4	100	3	1.8	100	3	1.2	3
Total			56	1375	42	25.2	1300	39	15.6	40.8
Average			4	98.21	3	1.8	92.86	2.79	1.11	2.91



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
2.91	3	2.04	0.9	2.94	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 2023 - 2024

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	18	22.22	1	0.6	94.44	3	1.2	1.8
	HINSPL3502	HINDI SAHITYA KA ITIHAS	6	16.67	1	0.6	100	3	1.2	1.8
	HINSPL3503	HINDI BHASHA KA VIKAS	6	66.67	3	1.8	100	3	1.2	3
VI	HINGEN3601	HINDI SAMANYA	18	50	2	1.2	94.44	3	1.2	2.4
	HINSPL3602	HINDI SAHITYA KA ITIHAS	6	100	3	1.8	100	3	1.2	3
	HINSPL3603	HINDI BHASHA KA VIKAS	6	33.33	1	0.6	100	3	1.2	1.8
Total			60	188.89	8	4.8	588.88	18	7.2	12
Average			10	31.48	1.33	0.8	98.15	3	1.2	2



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	1.4	0.9	2.3	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 Hindi  
Post Graduate Program : M.A.Hindi  
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

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)
III	PAHN231	ADHUNIK KAVYA-1	6	83.33	3	1.8	100	3	1.2	3
	PAHN232	BHASHA VIDNYAN	6	83.33	3	1.8	100	3	1.2	3
	PAHN233	HINDI SAHITYA KA ITIHAS	6	83.33	3	1.8	100	3	1.2	3
	PAHN234	ADHUNIK HINDI ALOCHANA	6	100	3	1.8	100	3	1.2	3
	PAHNSEC1	ANUVAD: SWAROOP EVAM VYAVAHAR	6	100	3	1.8	100	3	1.2	3
	PAHNSEC2	NIVEDAN KAUSHALY : SWARUP EVAM VYAVHAR	6	100	3	1.8	100	3	1.2	3
IV	PAHN241	VISHESH STAR: ADHUNIK KAVYA-2	6	83.33	3	1.8	100	3	1.2	3
	PAHN242	VISHESH STAR: BHASAH VIDNYAN	6	100	3	1.8	100	3	1.2	3
	PAHN243	VISHESH STAR: HINDI SAHITYA KA ITIHAS (ADHUNIK KAL)	6	100	3	1.8	100	3	1.2	3
	PAHN244A	VISHESH STAR: VAIKALPIK : LOKSAHITYA	6	100	3	1.8	100	3	1.2	3
	PAHNRP	RESERCH PROJECT	6	100	3	1.8	100	3	1.2	3
	PAHNSEC3	ANUVAD: PRATYAKSH VYAVHAR	6	100	3	1.8	100	3	1.2	3
	PAHNSEC4	NIVEDAN KAUSHAL: PRATYAKSH VYAVHAR	6	100	3	1.8	100	3	1.2	3
Total			78	1233.32	39	23.4	1300	39	15.6	39
Average			6	94.87	3	1.8	100	3	1.2	3



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 History**  
**Under Graduate Program : B.A. History**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	64	3.12	1	0.6	79.69	3	1.2	1.8
	HISSPL3502	INTRODUCTION TO HISTORY PART I	16	12.5	1	0.6	100	3	1.2	1.8
	HISSPL3503	HISTORY OF ASIA IN 20TH CENTURY (1914-1992) PART I	16	43.75	2	1.2	100	3	1.2	2.4
VI	HISGEN3601	HISTORY OF THE WORLD IN 20TH CENTURY (1914-1992) PART II	64	14.06	1	0.6	78.12	3	1.2	1.8
	HISSPL3602	INTRODUCTION TO HISTORY PART II	16	68.00	3	1.8	100	3	1.2	3
	HISSPL3603	HISTORY OF ASIA IN 20TH CENTURY (1914-1992) PART II	16	37.5	1	0.6	100	3	1.2	1.8
<b>Total</b>			<b>192</b>	<b>110.93</b>	<b>6</b>	<b>3.6</b>	<b>557.81</b>	<b>18</b>	<b>7.2</b>	<b>10.8</b>
<b>Average</b>			<b>32</b>	<b>18.49</b>	<b>1</b>	<b>0.6</b>	<b>92.97</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 History**  
**Post Graduate Program : M.A. History**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PAHS231	BRITISH ADMINISTRATIVE POLICIES IN INDIA	21	42.86	2	1.2	52.38	2	0.8	2
	PAHS232	INTELLECTUAL HISTORY OF MODERN WORLD	21	33.33	1	0.6	38.1	1	0.4	1
	PAHS233	ECONOMIC HISTORY OF THE MODERN INDIA	21	42.86	2	1.2	33.33	1	0.4	1.6
	PAHS234	ANCIENT AND MEDIEVAL CIVILIZATION OF THE WORLD	21	28.57	1	0.6	95.24	3	1.2	1.8
	PAHSSEC1	RESEARCH PAPER WRITING	21	71.43	3	1.8	76.19	3	1.2	3
	PAHSSEC2	Yoga : History and Practice	21	47.62	2	1.2	52.38	2	0.8	2
IV	PAHS241	MODERN MAHARASHTRA : A HISTORY OF IDEAS (1818-1960)	21	23.81	1	0.6	76.19	3	1.2	1.8
	PAHS242	DEBATES IN INDIAN HISTORIOGRAPHY	21	19.05	1	0.6	52.38	2	0.8	1.4
	PAHS243	WORLD AFTER WORLD WAR-II (1945-2000)	21	19.05	1	0.6	52.38	2	0.8	1.4
	PAHS244	HISTORY OF MODERN INDIA (1857-1971)	21	28.57	1	0.6	57.14	2	0.8	1.4
	PAHSRP	RESEARCH PROJECT	21	95.24	3	1.8	52.38	2	0.8	2.6
	PAHSSEC3	SOUTH INDIAN ART AND ARCHITECTURE	20	95	3	1.8	100	3	1.2	3
	PAHSSEC4	ARCHEOLOGY	20	90	3	1.8	85	3	1.2	3
Total			271	637.39	24	14.4	823.09	29	11.6	26
Average			20.85	49.03	1.85	1.11	63.31	2.23	0.89	2



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	1.4	0.9	2.3	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 2023 - 2024**

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	21	10.01	1	0.6	100	3	1.2	1.8
VI	LOGGEN3601	LOGIC: METHODOLOGY OF SOCIAL SCIENCE	21	9.52	1	0.6	100	3	1.2	1.8
Total			42	9.52	1	0.6	200	6	2.4	3
Average			21	4.76	0.5	0.3	100	3	1.2	1.5



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
1.5	3	1.05	0.9	1.95	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 Marathi**  
**Under Graduate Program : B.A. Marathi**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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 PRAKARANCHA ABHYAS	52	26.92	1	0.6	88.46	3	1.2	1.8
	MARSPL3502	SAHITYAVICHAR	10	30	1	0.6	60	3	1.2	1.8
	MARSPL3503	MARATHICHA BHASHIK ABHYAS (ETIHASIK)	10	50	2	1.2	40	2	0.8	2
VI	MARGEN3601	ADHUNIK MARATHI SAHITYA PRAKARANCHA ABHYAS	52	76.92	3	1.8	88.46	3	1.2	3
	MARSPL3602	SAHITYAVICHAR	10	10	1	0.6	60	3	1.2	1.8
	MARSPL3603	MARATHICHA BHASHIK ABHYAS (ETIHASIK)	10	70	3	1.8	60	3	1.2	3
<b>Total</b>			<b>144</b>	<b>263.84</b>	<b>11</b>	<b>6.6</b>	<b>396.92</b>	<b>17</b>	<b>6.8</b>	<b>13.4</b>
<b>Average</b>			<b>24</b>	<b>43.97</b>	<b>1.83</b>	<b>1.1</b>	<b>66.15</b>	<b>2.83</b>	<b>1.13</b>	<b>2.23</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

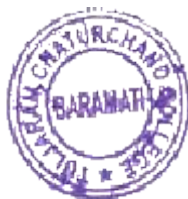
Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.23	3	1.56	0.9	2.46	4

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  
Post Graduate Program : M.A. Marathi  
Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

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)
III	PAMR231	PRASARMADHAYME ANI SAHITAVYAVAHAR	12	66.67	3	1.8	100	3	1.2	3
	PAMR232	SAHITYA: SAMIKSHA VA SANSHODHAN	12	83.33	3	1.8	100	3	1.2	3
	PAMR233	VISHESH LEKHAKACHA ABHYAS (AADHUNIK) LEKHAK: DR. SADANAND DESHMUKH	12	75	3	1.8	100	3	1.2	3
	PAMR234	VAICHARIK SAHITYA	12	75	3	1.8	91.67	3	1.2	3
	PAMRSEC1	BHASHA AAVISHKARACHI RUPE-1	12	58.33	2	1.2	100	3	1.2	2.4
	PAMRSEC2	KATHA LEKHAN KUSHALYA-1	12	41.67	2	1.2	100	3	1.2	2.4
IV	PAMR241	PRASARMADHAYME ANI SAHITAVYAVAHAR	12	66.67	3	1.8	100	3	1.2	3
	PAMR242	SAHITYA SAMIKSHA VA SANSHODHAN	12	75	3	1.8	100	3	1.2	3
	PAMR243	VISHESH LEKHAKACHA ABHYAS (AADHUNIK) : DR. SADANAND DESHMUKH	12	91.67	3	1.8	100	3	1.2	3
	PAMR244	SAHITYACHA SAMAJIK DRUSTINE ABHYAS	12	83.33	3	1.8	100	3	1.2	3
	PAMRRP	RESEARCH PROJECT	12	58.33	2	1.2	100	3	1.2	2.4
	PAMRSEC3	BHASHA AAVISHKARACHI RUPE-2	12	91.67	3	1.8	100	3	1.2	3
	PAMRSEC4	KATHA LEKHAN KUSHALYA-2	12	75	3	1.8	100	3	1.2	3
Total			156	941.67	36	21.6	1291.67	39	15.6	37.2
Average			12	72.44	2.77	1.66	99.36	3	1.2	2.86



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
2.86	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 Mathematics

Under Graduate Program : B.Sc. Mathematics

Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024

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	5	40	2	1.2	100	3	1.2	2.4
	MAT3502	REAL ANALYSIS I	5	80	3	1.8	80	3	1.2	3
	MAT3503	GROUP THEORY	5	100	3	1.8	80	3	1.2	3
	MAT3504	ORDINARY DIFFERENTIAL EQUATION	5	80	3	1.8	80	3	1.2	3
	MAT3505	OPERATION RESEARCH	5	60	3	1.8	80	3	1.2	3
	MAT3506	NUMBER THEORY	5	40	2	1.2	100	3	1.2	2.4
	MAT3507	MATHEMATICS PRACTICAL - I	5	60	3	1.8	100	3	1.2	3
	MAT3508	MATHEMATICS PRACTICAL – II	5	80	3	1.8	80	3	1.2	3
	MAT3509	MATHEMATICS PRACTICAL - III	5	80	3	1.8	100	3	1.2	3
VI	MAT3601	COMPLEX ANALYSIS	5	80	3	1.8	100	3	1.2	3
	MAT3602	REAL ANALYSIS II	5	80	3	1.8	100	3	1.2	3
	MAT3603	RING THEORY	5	80	3	1.8	80	3	1.2	3
	MAT3604	PARTIAL DIFFERENTIAL EQUATION	5	80	3	1.8	80	3	1.2	3
	MAT3605	OPTIMIZATION TECHNIQUES	5	80	3	1.8	100	3	1.2	3
	MAT3606	LEBESGUE INTEGRATION	5	80	3	1.8	100	3	1.2	3
	MAT3607	MATHEMATICS PRACTICAL - I	5	80	3	1.8	100	3	1.2	3
	MAT3608	MATHEMATICS PRACTICAL – II	5	80	3	1.8	100	3	1.2	3
	MAT3609	PROJECT	5	100	3	1.8	100	3	1.2	3

	<b>Total</b>	<b>90</b>	<b>1360</b>	<b>52</b>	<b>31.2</b>	<b>1660</b>	<b>54</b>	<b>21.6</b>	<b>52.8</b>
	<b>Average</b>	<b>5</b>	<b>75.56</b>	<b>2.89</b>	<b>1.73</b>	<b>92.22</b>	<b>3</b>	<b>1.2</b>	<b>2.93</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
2.93	3	2.05	0.9	2.95	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 Mathematics**  
**Post Graduate Program : M.Sc. Mathematics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PSMT231	COMBINATORICS	15	33.33	1	0.6	73.33	3	1.2	1.8
	PSMT232	FIELD THEORY	15	26.67	1	0.6	100	3	1.2	1.8
	PSMT233	FUNCTIONAL ANALYSIS	15	40	2	1.2	60	3	1.2	2.4
	PSMT234	INTEGRAL EQUATIONS	15	46.67	2	1.2	100	3	1.2	2.4
	PSMT235B	GRAPH THEORY	15	46.67	2	1.2	93.33	3	1.2	2.4
	PSMT236	PRACTICAL : PAYTHON	15	100	3	1.8	100	3	1.2	3
IV	PSMT241	NUMBER THEORY	15	73.33	3	1.8	73.33	3	1.2	3
	PSMT242	DIFFERENTIAL GEOMETRY	15	80	3	1.8	73.33	3	1.2	3
	PSMT243	FOURIER ANALYSIS	15	80	3	1.8	46.67	2	0.8	2.6
	PSMT244	LATTICE THEORY	15	73.33	3	1.8	60	3	1.2	3
	PSMT245B	CRYPTOGRAPHY	15	80	3	1.8	60	3	1.2	3
	PSMT246	PROJECT	15	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>180</b>	<b>780</b>	<b>29</b>	<b>17.4</b>	<b>939.99</b>	<b>35</b>	<b>14</b>	<b>31.4</b>
<b>Average</b>			<b>15</b>	<b>65</b>	<b>2.42</b>	<b>1.45</b>	<b>78.33</b>	<b>2.92</b>	<b>1.17</b>	<b>2.62</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
2.62	3	1.83	0.9	2.73	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 2023 - 2024**

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	33	18.18	1	0.6	100	3	1.2	1.8
	MICRO3502	GENETICS AND MOLECULAR BIOLOGY- I	33	54.55	2	1.2	100	3	1.2	2.4
	MICRO3503	ENZYMOLGY	33	33.33	1	0.6	100	3	1.2	1.8
	MICRO3504	IMMUNOLOGY – I	33	9.09	1	0.6	100	3	1.2	1.8
	MICRO3505	FERMENTATION TECHNOLOGY-I	33	51.52	2	1.2	100	3	1.2	2.4
	MICRO3506	FOOD AND DAIRY MICROBIOLOGY	33	27.27	1	0.6	90.91	3	1.2	1.8
	MICRO3507	MICROBIOLOGY PRACTICAL - I	33	100	3	1.8	100	3	1.2	3
	MICRO3508	MICROBIOLOGY PRACTICAL - II	33	100	3	1.8	100	3	1.2	3
	MICRO3509	MICROBIOLOGY PRACTICAL - III	33	100	3	1.8	100	3	1.2	3
VI	MICRO3601	MEDICAL MICROBIOLOGY-II	33	45.45	2	1.2	100	3	1.2	2.4
	MICRO3602	GENETICS AND MOLECULAR BIOLOGY- II	33	39.39	1	0.6	100	3	1.2	1.8
	MICRO3603	METABOLISM	33	12.12	1	0.6	100	3	1.2	1.8
	MICRO3604	IMMUNOLOGY – II	33	15.15	1	0.6	100	3	1.2	1.8
	MICRO3605	FERMENTATION TECHNOLOGY-II	33	42.42	2	1.2	100	3	1.2	2.4
	MICRO3606	AGRICULTURAL AND ENVIRONMENTAL MICROBIOLOGY	33	18.18	1	0.6	100	3	1.2	1.8
	MICRO3607	MICROBIOLOGY PRACTICAL - IV	33	100	3	1.8	100	3	1.2	3
	MICRO3608	MICROBIOLOGY PRACTICAL - V	33	93.94	3	1.8	100	3	1.2	3
	MICRO3609	PROJECT	33	100	3	1.8	100	3	1.2	3

	<b>Total</b>	<b>594</b>	<b>960.59</b>	<b>34</b>	<b>20.4</b>	<b>790.91</b>	<b>54</b>	<b>21.6</b>	<b>42</b>
	<b>Average</b>	<b>33</b>	<b>53.37</b>	<b>1.89</b>	<b>1.13</b>	<b>99.49</b>	<b>3</b>	<b>1.2</b>	<b>2.33</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
2.33	3	1.63	0.9	2.53	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**  
**Post Graduate Program : M.Sc. Microbiology**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PSMB231	IMMUNOLOGY	40	20	1	0.6	100	3	1.2	1.8
	PSMB232	MOLECULAR BIOLOGY-I	40	20	1	0.6	100	3	1.2	1.8
	PSMB233	INDUSTRIAL WASTE WATER TREATMENT	40	47.5	2	1.2	100	3	1.2	2.4
	PSMB234A	BIOPHYSICAL TECHNIQUES	40	17.5	1	0.6	100	3	1.2	1.8
	PSMB235	PRACTICAL COURSE BASED ON IMMUNOLOGY, PHARMACEUTICAL MICROBIOLOGY AND INDUSTRIAL WASTE WATER TREATMENT	40	95	3	1.8	100	3	1.2	3
	PSMB236	PRACTICAL COURSE BASED ON MOLECULAR BIOLOGY AND MICROBIAL TECHNOLOGY	40	97.5	3	1.8	100	3	1.2	3
IV	PSMB241	PHARMACEUTICAL MICROBIOLOGY	40	17.5	1	0.6	97.5	3	1.2	1.8
	PSMB242	MOLECULAR BIOLOGY-II	40	37.5	1	0.6	100	3	1.2	1.8
	PSMB243	MICROBIAL TECHNOLOGY	40	65	3	1.8	100	3	1.2	3
	PSMB244A	MEDICAL MICROBIOLOGY	40	62.5	3	1.8	100	3	1.2	3
	PSMB245	RESEARCH PROJECT - DISSERTATION-I	40	100	3	1.8	100	3	1.2	3
	PSMB246	RESEARCH PROJECT - DISSERTATION-II	40	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>480</b>	<b>680</b>	<b>25</b>	<b>15</b>	<b>1197.5</b>	<b>36</b>	<b>14.4</b>	<b>29.4</b>
<b>Average</b>			<b>40</b>	<b>56.67</b>	<b>2.08</b>	<b>1.25</b>	<b>99.79</b>	<b>3</b>	<b>1.2</b>	<b>2.45</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
2.45	3	1.72	0.9	2.62	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 Physics**

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

**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	22	4.55	1	0.6	100	3	1.2	1.8
	PHY3502	CLASSICAL MECHANICS	22	22.73	1	0.6	100	3	1.2	1.8
	PHY3503	OPTICS	22	4.55	1	0.6	81.82	3	1.2	1.8
	PHY3504	SOLID STATE PHYSICS	22	13.64	1	0.6	100	3	1.2	1.8
	PHY3505	ATOMIC AND MOLECULAR PHYSICS	22	22.73	1	0.6	100	3	1.2	1.8
	PHY3506A	ELEMENTS OF MATERIAL SCIENCE	11	54.55	2	1.2	100	3	1.2	2.4
	PHY3506B	RENEWABLE ENERGY SOURCES	11	72.73	3	1.8	72.73	3	1.2	3
	PHY3507	PHYSICS PRACTICAL -I	22	100	3	1.8	100	3	1.2	3
	PHY3508	PHYSICS PRACTICAL -II	22	95.45	3	1.8	100	3	1.2	3
	PHY3509	PHYSICS PROJECT -I	22	95.45	3	1.8	100	3	1.2	3
VI	PHY3601	ELECTRODYNAMICS	22	18.18	1	0.6	100	3	1.2	1.8
	PHY3602	QUANTUM MECHANICS	22	36.36	1	0.6	100	3	1.2	1.8
	PHY3603	STATISTICAL PHYSICS	22	22.73	1	0.6	100	3	1.2	1.8
	PHY3604	NUCLEAR PHYSICS	22	27.27	1	0.6	100	3	1.2	1.8
	PHY3605(A)	ELECTRONICS II	19	10.53	1	0.6	94.74	3	1.2	1.8
	PHY3605(B)	ADVANCED ELECTRONICS	3	33.33	1	0.6	100	3	1.2	1.8
	PHY3606(A)	PHYSICS OF NANOMATERIALS	11	54.55	2	1.2	100	3	1.2	2.4
	PHY3606(B)	SOLAR ENERGY CONVERSION DEVICES	11	54.55	2	1.2	100	3	1.2	2.4
	PHY3607	PHYSICS PRACTICAL -III	22	77.27	3	1.8	86.36	3	1.2	3



VI	PHY3608	PHYSICS PRACTICAL -IV	22	95.45	3	1.8	100	3	1.2	3
	PHY3609	PHYSICS PROJECT - II	22	100	3	1.8	100	3	1.2	3
Total			396	1016.6	38	22.8	2035.65	63	25.2	48
Average			18.86	48.41	1.81	1.09	96.94	3	1.2	2.29



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

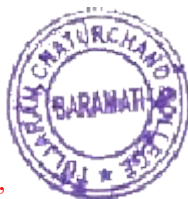
Average Attainment by Direct Method	Average Attainment by Indirect Method	70% of Average Attainment by direct method	30 % of Average Attainment by indirect method	Average	Attainment Level
2.29	3	1.6	0.9	2.5	5

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 Physics**  
**Post Graduate Program : M.Sc. Physics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PSPH231	STATISTICAL PHYSICS	7	71.43	3	1.8	100	3	1.2	3
	PSPH232	SOLID STATE PHYSICS	7	85.71	3	1.8	85.71	3	1.2	3
	PSPH233	EXPERIMENTAL TECHNIQUES IN PHYSICS-I	7	71.43	3	1.8	100	3	1.2	3
	PSPH234D	PHYSICS OF THIN FILMS-I	7	71.43	3	1.8	100	3	1.2	3
	PSPH235	SPECIAL LAB-I	7	100	3	1.8	100	3	1.2	3
	PSPH236	SPECIAL LAB-II PHYSICS PROGRAMMING USING PYTHON	7	100	3	1.8	100	3	1.2	3
IV	PSPH241	NUCLEAR AND PARTICLE PHYSICS	7	85.71	3	1.8	100	3	1.2	3
	PSPH242	MATERIAL SCIENCE	7	85.71	3	1.8	71.43	3	1.2	3
	PSPH243	EXPERIMENTAL TECHNIQUES IN PHYSICS-II	7	57.14	2	1.2	71.43	3	1.2	2.4
	PSPH244D	PHYSICS OF THIN FILMS-II	7	71.43	3	1.8	100	3	1.2	3
	PSPH245	SPECIAL LAB-III	7	100	3	1.8	100	3	1.2	3
	PSPH246	RESEARCH PROJECT	7	100	3	1.8	100	3	1.2	3
<b>Total</b>			<b>84</b>	<b>999.99</b>	<b>35</b>	<b>21</b>	<b>128.57</b>	<b>36</b>	<b>14.4</b>	<b>35.4</b>
<b>Average</b>			<b>7</b>	<b>83.33</b>	<b>2.92</b>	<b>1.75</b>	<b>94.05</b>	<b>3</b>	<b>1.2</b>	<b>2.95</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
2.95	3	2.06	0.9	2.96	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 Politics**  
**Under Graduate Program : B.A. Politics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	52	11.54	1	0.6	88.46	3	1.2	1.8
	POLSPL3502	PUBLIC ADMINISTRATION	17	23.53	1	0.6	88.24	3	1.2	1.8
	POLSPL3503	INTERNATIONAL POLITICS	17	23.53	1	0.6	82.35	3	1.2	1.8
VI	POLGEN 3601	POLITICAL IDEOLOGIES	52	21.15	1	0.6	80.77	3	1.2	1.8
	POLSPL 3602	PUBLIC ADMINISTRATION	17	17.65	1	0.6	88.24	3	1.2	1.8
	POLSPL 3603	INTERNATIONAL POLITICS	17	5.88	1	0.6	82.35	3	1.2	1.8
<b>Total</b>			<b>172</b>	<b>103.28</b>	<b>6</b>	<b>3.6</b>	<b>510.41</b>	<b>18</b>	<b>7.2</b>	<b>10.8</b>
<b>Average</b>			<b>28.67</b>	<b>17.21</b>	<b>1</b>	<b>0.6</b>	<b>85.07</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 Politics**  
**Post Graduate Program : M.A. Politics**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PAPO231	POLITICAL THEORY	28	35.71	1	0.6	53.57	2	0.8	1.4
	PAPO232	POLITICAL SOCIOLOGY	28	25	1	0.6	46.43	2	0.8	1.4
	PAPO233	ISSUES IN WORLD POLITICS	28	35.71	1	0.6	53.57	2	0.8	1.4
	PAPO234	INDIAN ADMINISTRATION	28	32.14	1	0.6	46.43	2	0.8	1.4
	PAPOSEC1	ACTIVE CITIZENSHIP	28	78.57	3	1.8	89.29	3	1.2	3
	PAPOSEC2	QUANTITATIVE RESEARCH METHODS AND DATA ANALYSIS	28	85.71	3	1.8	82.14	3	1.2	3
IV	PAPO241	POLITICAL THINKING IN MODERN INDIA	28	28.57	1	0.6	67.86	3	1.2	1.8
	PAPO242	POLITICAL PROCESS IN INDIA	28	42.86	2	1.2	64.29	3	1.2	2.4
	PAPO243	POLITICAL PARTICIPATION	28	46.43	2	1.2	32.14	1	0.4	1.6
	PAPO244	PARTY SYSTEM IN INDIA	28	60.71	3	1.8	75	3	1.2	3
	PAPORP	RESEARCH PROJECT	28	96.43	3	1.8	75	3	1.2	3
	PAPOSEC3	POLITICAL LEADERSHIP DEVELOPMENT	28	64.29	3	1.8	82.14	3	1.2	3
	PAPOSEC4	QUANTITATIVE RESEARCH METHODS AND DATA ANALYSIS	28	92.86	3	1.8	89.29	3	1.2	3
Total			364	724.99	27	16.2	857.15	33	13.2	29.4
Average			28	55.77	2.08	1.25	65.93	2.54	1.02	2.26



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
2.26	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 Psychology**  
**Under Graduate Program : B.A. Psychology**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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	APPLIED PSYCHOLOGY -I	21	14.29	1	0.6	28.57	1	0.4	1
	PSYSPL3502	PSYCHOLOGICAL RESEARCH	15	6.67	1	0.6	86.67	3	1.2	1.8
	PSYSPL3503	PSYCHOLOGY PRACTICAL: TEST	15	86.67	3	1.8	80	3	1.2	3
VI	PSYGEN3601	APPLIED PSYCHOLOGY-II	21	47.62	2	1.2	61.9	3	1.2	2.4
	PSYSPL3602	EXPERIMENTAL PSYCHOLOGY	15	13.33	1	0.6	86.67	3	1.2	1.8
	PSYSPL3603	PSYCHOLOGY PRACTICAL: EXPERIMENTS	15	86.67	3	1.8	66.67	3	1.2	3
<b>Total</b>			<b>102</b>	<b>255.25</b>	<b>11</b>	<b>6.6</b>	<b>410.48</b>	<b>16</b>	<b>6.4</b>	<b>13</b>
<b>Average</b>			<b>17</b>	<b>42.54</b>	<b>1.83</b>	<b>1.1</b>	<b>68.41</b>	<b>2.67</b>	<b>1.07</b>	<b>2.17</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
2.17	3	1.52	0.9	2.42	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 Psychology**  
**Post Graduate Program : M.A. Psychology**  
**Attainment of Course Outcomes (Direct Attainment) for Academic Year 2023 - 2024**

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)
III	PAPS231	PERSONALITY	9	22.22	1	0.6	66.67	3	1.2	1.8
	PAPS232	PSYCHOPATHOLOGY-I	9	88.89	3	1.8	66.67	3	1.2	3
	PAPS233	PSYCHO-DIAGNOSTICS	9	44.44	2	1.2	66.67	3	1.2	2.4
	PAPS234	PSYCHOLOGY PRACTICAL : PROJECT	9	22.22	1	0.6	77.78	3	1.2	1.8
	PAPSSEC1	ADVANCED SKILLS AND PROCESSES IN COUNSELING	9	66.67	3	1.8	100	3	1.2	3
	PAPSSEC2	CBT AND REBT BASICS AND APPLICATIONS	9	55.56	2	1.2	100	3	1.2	2.4
IV	PAPS241	MOTIVATION AND EMOTION	9	22.22	1	0.6	77.78	3	1.2	1.8
	PAPS242	PSYCHOPATHOLOGY-II	9	77.78	3	1.8	77.78	3	1.2	3
	PAPS243	PSYCHOTHERAPIES	9	44.44	2	1.2	77.78	3	1.2	2.4
	PAPS244	PSYCHOLOGY PRACTICAL - PRACTICUM	9	44.44	2	1.2	77.78	3	1.2	2.4
	PAPSRP	RESEARCH PROJECT	9	44.44	2	1.2	66.67	3	1.2	2.4
	PAPSSEC3	COMMUNICATION & ENHANCING PERSONALITY	9	55.56	2	1.2	77.78	3	1.2	2.4
	PAPSSEC4	PSYCHOLOGICAL FIRST AID	9	55.56	2	1.2	77.78	3	1.2	2.4
<b>Total</b>			<b>117</b>	<b>644.44</b>	<b>26</b>	<b>15.6</b>	<b>1011.14</b>	<b>39</b>	<b>15.6</b>	<b>31.2</b>
<b>Average</b>			<b>9</b>	<b>49.57</b>	<b>2</b>	<b>1.2</b>	<b>77.78</b>	<b>3</b>	<b>1.2</b>	<b>2.4</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
2.4	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



  
 Principal  
 Tuljaram Chaturchand College  
 Baramati