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LEARNERS BECOMING LEADERS

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CRITERION 2 – TEACHING – LEARNING AND EVALUATION

2.6 Student Performance and Learning Outcomes

2.6.2- Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Attainment of Programme Outcomes and Course Outcomes

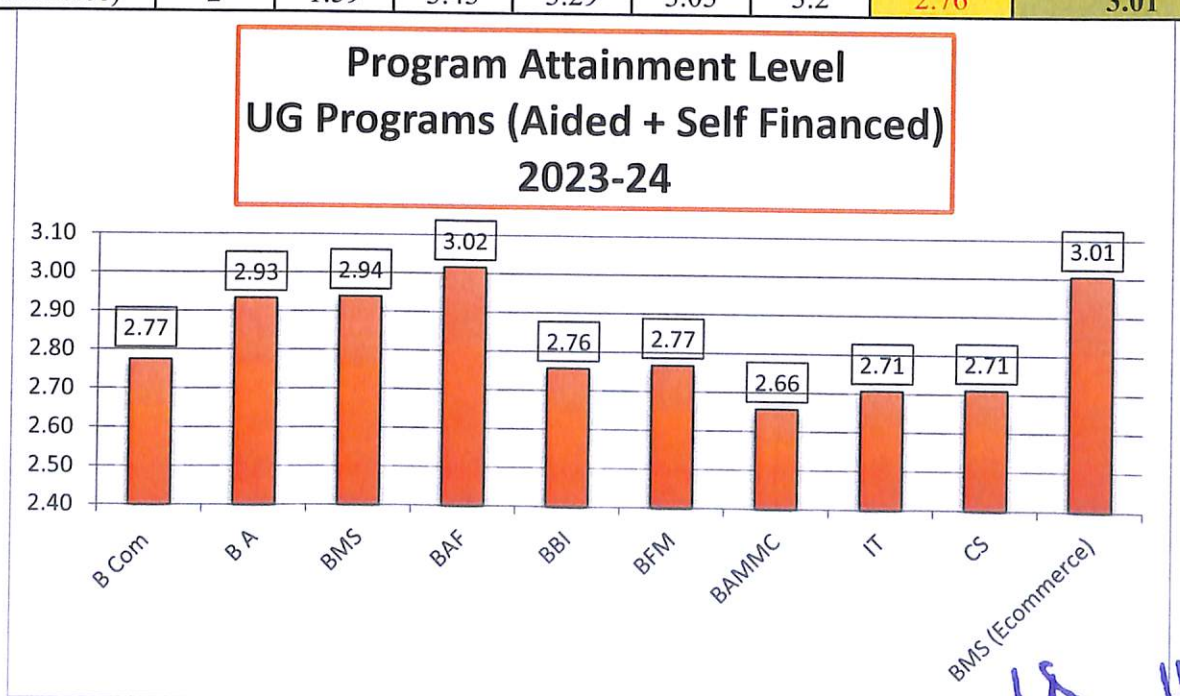
Overall Programmes At Institutional Level [2023-2024]

Nagindas Khandwala College (Empowered Autonomous)

ATTAINMENT LEVELS

ALL UNDERGRADUATE COURSES-2023-24

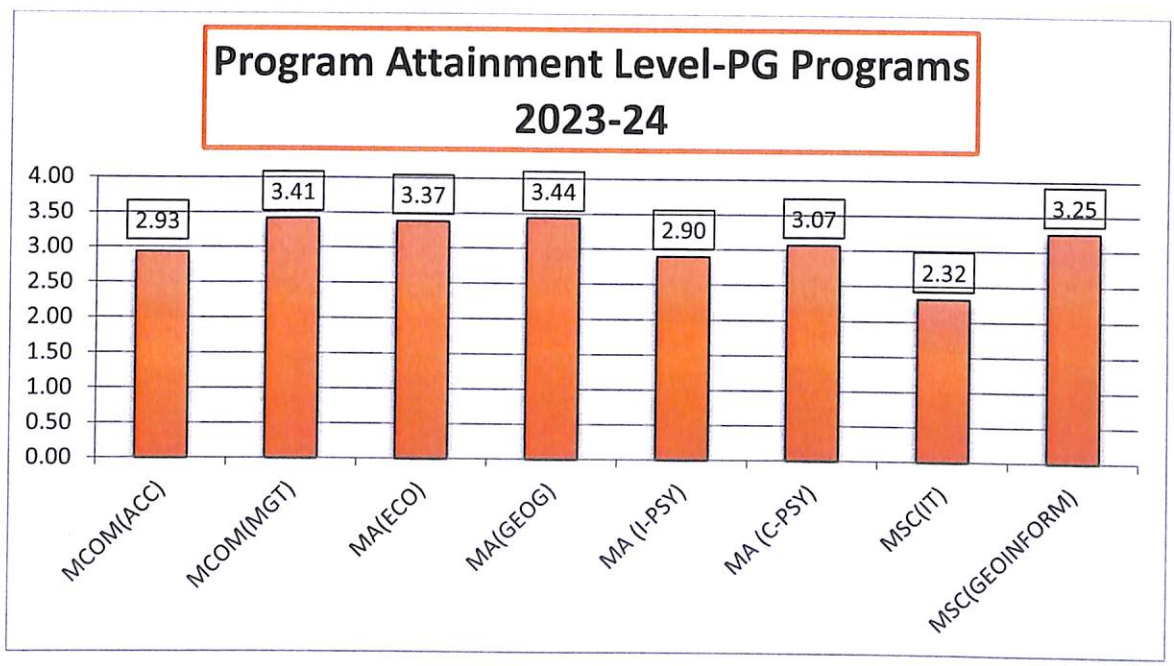
Academic Year- 2022-23	Attainment level_-Undergraduate programs							Program Attainment
	First Year		Second Year		Third Year		Average	
	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	Direct	Direct+ Indirect
B Com	1.98	2.06	2.71	2.65	2.73	2.67	2.47	2.77
B A	2.1	2.33	2.85	2.88	2.72	3.11	2.67	2.93
BMS	2	1.95	2.96	2.96	3.02	3.15	2.67	2.94
BAF	1.84	1.99	2.77	3.35	3.7	2.97	2.77	3.02
BBI	1.9	1.83	2.74	3.07	2.33	2.8	2.45	2.76
BFM	1.81	1.98	2.89	2.98	2.33	2.76	2.46	2.77
BAMMC	2.04	1.93	2.4	2.82	2.38	2.36	2.32	2.66
IT	1.91	1.9	2.79	2.72	2.62	2.36	2.38	2.71
CS	1.96	1.71	2.91	2.75	2.16	2.83	2.39	2.71
BMS (Ecommerce)	2	1.59	3.43	3.29	3.03	3.2	2.76	3.01



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ALL POST GRADUATE COURSES-2023-24

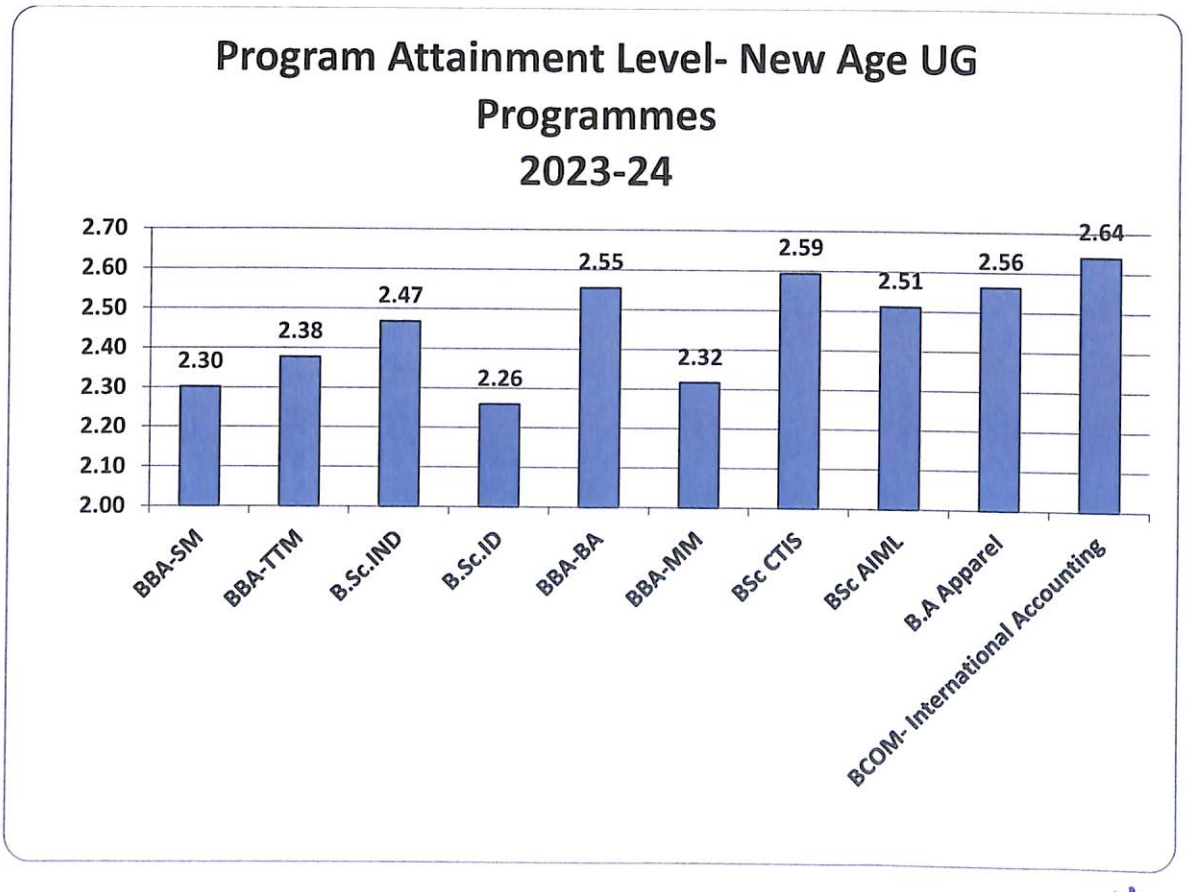
	Attainment level -Postgraduate courses					
Academic Year-	First Year		Second Year		Average	**Program Attainment**
2020-21	SEM 1	SEM 2	SEM 3	SEM 4		**Direct + indirect**
MCOM(ACC)	2.96	3	2.1	2.6	2.67	**2.93**
MCOM(MGT)	2.58	2.79	4	3.7	3.27	**3.41**
MA(ECO)	3.17	3.46	3.04	3.2	3.22	**3.37**
MA(GEOG)	4	3	3.53	2.65	3.30	**3.44**
MA (I-PSY)	2.88	3	2.33	2.28	2.62	**2.90**
MA (C-PSY)	2.71	3.38	3.33	1.93	2.84	**3.07**
MSC(IT)	2.21	2.09	1.51	1.79	1.90	**2.32**
MSC(GEOINFORM)	3.21	3.13	2.77	3.15	3.07	**3.25**



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ALL UNDER GRADUATE NEW AGE PROGRAMMES-2023-24

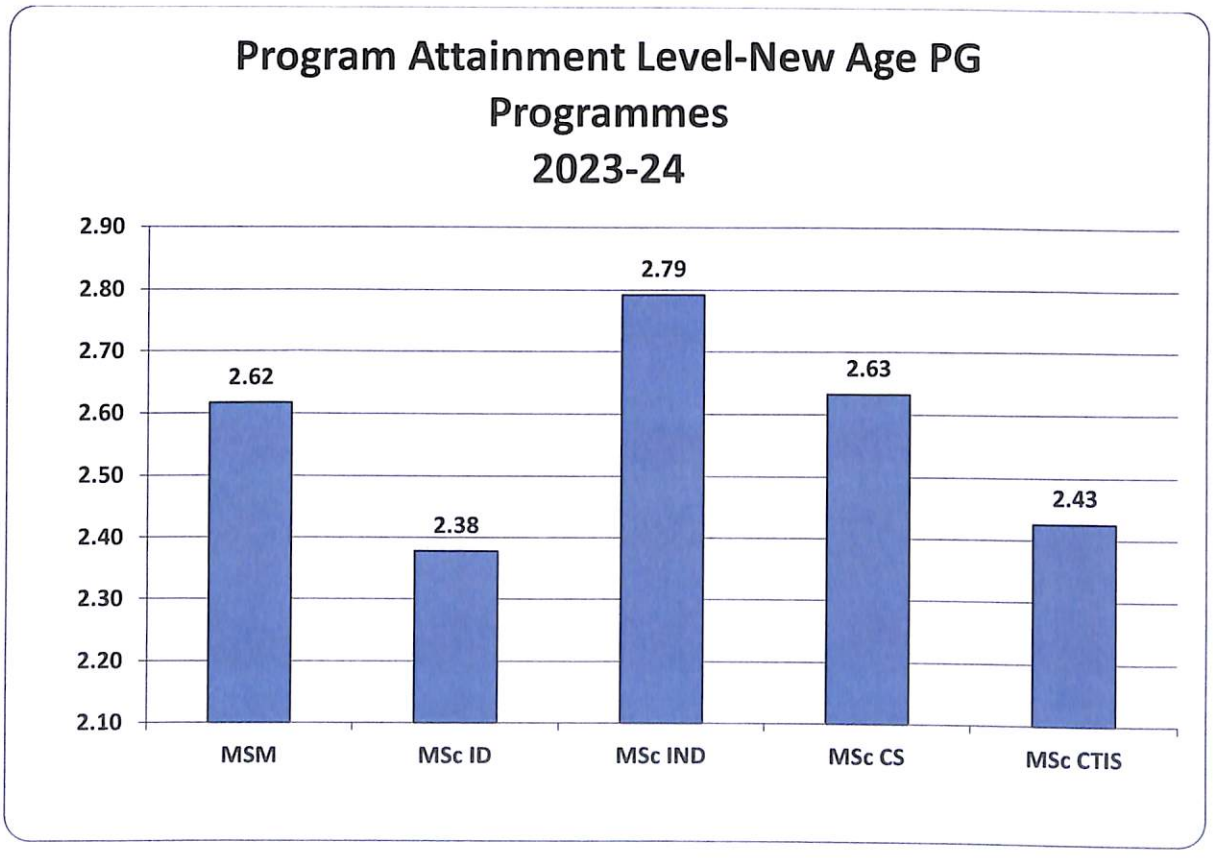
Academic Year-	Attainment level_-Undergraduate programs							Program Attainment
	First Year		Second Year		Third Year		Average	
2023-24	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	Direct	Direct+ Indirect
BBA-SM	1.63	1.70	1.89	1.66	1.70	2.68	1.88	2.30
BBA-TTM	1.5	1.33	1.71	2.54	2.27	2.48	1.97	2.38
B.Sc.IND	1.53	1.35	1.88	2.09	2.68	2.98	2.09	2.47
B.Sc.ID	1.33	1.18	2.18	1.95	2.1	2.2	1.82	2.26
BBA-BA	1.73	1.68	2.63	2.43	2.2	2.49	2.19	2.55
BBA-MM	1.58	1.28	2.1	2.35	1.69	2.37	1.90	2.32
BSc CTIS	2.13	1.73	2.46	1.98	2.6	2.55	2.24	2.59
BSc AIML	2.05	1.68	2.82	2.02	2.57	1.7	2.14	2.51
B.A Apparel	1.61	1.75	2.03	2.83	2.7	2.3	2.20	2.56
BCOM- International Accounting	2.09	2.28	2.49	2.53	2.26	2.15	2.30	2.64



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ALL POST GRADUATE NEW AGE PROGRAMMES-2023-24

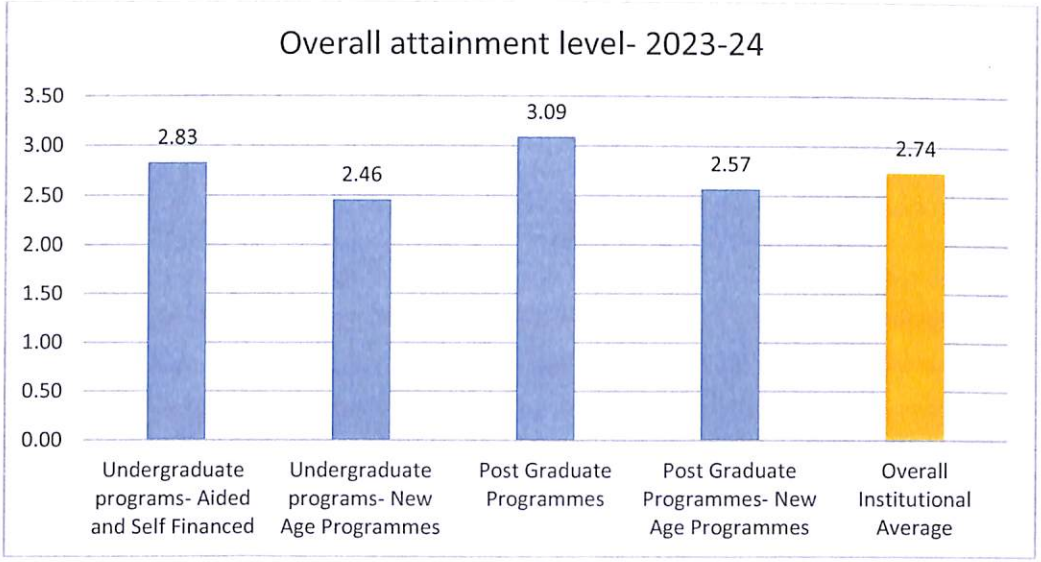
Academic Year- 2023-24	Attainment level _ _ Postgraduate courses					Program Attainment
	First Year		Second Year		Average	
	SEM 1	SEM 2	SEM 3	SEM 4		Direct + indirect
MSM	2.42	2.29	2.2	2.17	2.27	**2.62**
MSc ID	1.13	2.92	2.24	1.6	1.97	**2.38**
MSc IND	2.42	2.13	2.78	2.63	2.49	**2.79**
MSc CS	3.08	3.04	1.84	1.2	2.29	**2.63**
MSc CTIS	2.83	2.79	1.36	1.15	2.03	**2.43**



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Overall Program Attainment Level- 2023-24

Programmes	Overall attainment level
Undergraduate programs- Aided and Self Financed	2.83
Undergraduate programs- New Age Programmes	2.46
Post Graduate Programmes	3.09
Post Graduate Programmes- New Age Programmes	2.57
Overall Institutional Average	2.74



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CRITERION 2 – TEACHING – LEARNING AND EVALUATION

2.6 Student Performance and Learning Outcomes

2.6.2- Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Attainment of Programme Outcomes and Course Outcomes

UG PROGRAMMES
[2023-2024]

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OBE DESIGN

ATTAINMENT LEVELS

ALL COURSES-2023-24

1. Course- Program outcome Matrix:

The Program Outcomes are developed through the curriculum (curricular/co-curricular, extra-curricular activities). The program outcomes are attained through the course implementation. As an educator, one must know, "to which POs his/her course in contributing?" So that one can design the learning experiences, select teaching method and design the tool for assessment. Hence, establishing the Corse-PO matrix is essential step in the OBE. The course-program outcomes matrix indicates the co-relation between the courses and program outcomes. The CO-PO matrix is the map of list of courses contributing to the development of respective POs. The CO-PO Matrix is provided in the table for each program.(see Appendix)

2. Course Outcomes (for all courses):

The course outcomes are the statement that describes the knowledge & abilities developed in the student by the end of course (subject) teaching. The focus is on development of abilities rather than mere content. There can be 5 to 7 course outcomes of any course. These are to be written in the specific terms and not in general.

3. Set Target levels for Attainment of Course Outcomes:

The course outcome attainment is assessed in order to track the graduates' performance w.r.t target level of performance. The CO-PO attainment is the tool used for continuous improvement in the graduates' abilities through appropriate learning & teaching strategies. In order to assess students' performance with respect to abilities (at the end of course teaching/by the end of program) the course outcome attainment are measured/calculated. In order to

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calculate the program outcome attainment, the course outcome attainment is calculated. Prior to that, the course-program outcome mapping is done.

4. Set Target level for Attainment of Program Outcomes:

The program outcome (PO) attainment is assessed in order to track the graduates' performance w.r.t target level of performance. The CO-PO attainment is the tool used for continuous improvement in the graduates' abilities through appropriate learning & teaching strategies. In order to assess students' performance with respect to abilities (at the end of course teaching/by the end of program) the course outcome (CO) attainment and program outcome attainment is measured/calculated. The program outcome attainment is governed by curricular, co-curricular and extra-curricular activities including the stakeholders' participation. The direct method and indirect method is adopted to calculate the PO attainment. The direct method implies the attainment by course outcomes contributing to respective program outcomes. And indirect method is the satisfaction/feed-back survey of stakeholders. In order to calculate the program outcome attainment, the course outcome attainment is calculated. Prior to that, the course-program outcome mapping is done.

The set target level is the set benchmark to ensure the continuous improvements in the learners/ graduates' performance.

5. Course Outcome Attainment Levels:

a. CO attainment is defined/set at five levels;

b. The CO attainment is based on end term examination assessment and internal assessment;

c. The Co attainment is defined at five levels in ascending order

The following are the defined CO attainment level for **Bachelor of Commerce (B.Com.)**
e.g. For end term and internal examination;

i. **Level-1**: 40% to 49.99% students scored more than class average

ii. **Level-2**: 50% to 59.99% students score more than class average;

iii. **Level-3:** 60% to 69.99% students score more than class average;

iv. **Level-4**: 70% to 79.99% students score more than class average;

v. **Level 5**: 80% to 89.99% students score more than class average.

d. The target level is set (e.g. Level-2). It indicates that, the current target is level-2; 50% students score more than class average. If class average is less than passing percentage then we consider passing percentage instead of class average. The CO attainment is measured and

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the results are obtained. Based on the results of attainment, the corrective measures/remedial action are taken.

e. CO Attainment= 60% (Attainment level in end term examination) + 40% (Attainment level in internal examination).

f. One example on calculation of CO attainment for **Bachelor of Commerce (B.Com.)** is provided in below.

6. Program attainment Level:

a. PO attainment is defined at five levels in ascending order;

b. The PO attainment is based on the average attainment level of corresponding courses (Direct Method) and feed-back survey (Indirect method);

c. The PO attainment levels are defined / set as stated below

i. Level-1: Greater than 0.5 and less than 1.0 (0.5>1)- Poor

ii. Level-2: 1.0>1.5-Average

iii. Level-3: 1.5>2.0-Good

iv. Level-4: 2.0>2.5-Very Good

v. Level-5: 2.5>3.0 –Excellent

d. The PO attainment target level is set/defined (say, Level-4). It implies that, the department is aiming at minimum level-4 (very good) in the performance of abilities by the graduates. Based upon the results of attainment, the remedial measures are taken;

e. PO Attainment= 80% (Average attainment level by direct method) + 20% (Average attainment level by indirect method)

f. One example on calculation of PO attainment for Bachelor of Commerce is provided below.

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Bachelor of Commerce (B.Com.)

Table UG 1.1: PO& CO Mapping Table- B.Com.
Academic Year 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	INTRO TO BUSINESS	UC101IB23MA	*					*
	ACCOUNTANCY & FINANCIAL MANAGEMENT I	UC102AFM23MA	*		*	*		*
	FOUNDATION COURSE I	UC103FC23O	*				*	
	DATA ANALYSIS USING SPREADSHEET	UC104SS23O		*				
	MONITORING POLLUTION THROUGH GIS	UC105PL23VS					*	
	MATHEMATICAL & STATISTICAL TECHNIQUES - I	UC106MST23SC				*		
	BUSINESS COMMUNICATION I	UC107BC23A					*	
	ENVIRONMENTAL STUDIES I	UC108ES23V					*	
	IKS	UC109KS23K					*	
	CO-CURRICULAR COURSES	UC110CC23C					*	
II	SERVICE SECTOR	UC 201 SS 23 MA	*					*
	ACCOUNTANCY & FINANCIAL MANAGEMENT II	UC202AFM23MA	*		*	*		
	BUSINESS ECONOMICS I	UC203BE23MI	*					*
	FOUNDATION COURSE II	UC204FC23O	*				*	
	WORD AND PRESENTATION TOOLS	UC205WPT23O		*				
	CONSTITUTION OF INDIA	UC 206 CI 23 VS					*	

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	MATHEMATICAL & STATISTICAL TECHNIQUES - II	UC207MST23SC				*		
	BUSINESS COMMUNICATION II	UC208BC23A					*	
	ENVIRONMENTAL STUDIES - II	UC209ES23V					*	
	CO-CURRICULAR COURSES	UC 210 CC 23 C					*	
III	FUNDAMENTALS OF ADVERTISING	2131UCAD	*				*	*
	FOUNDATION COURSE - III (CONTEMPORARY INDIA : 1947-2000 A.D)	2032UCFC		*			*	
	COMMERCE - III (MANAGEMENT : PRINCIPLES AND FUNCTIONS)	2133U2COM	*				*	*
	ACCOUNTANCY AND FINANCIAL MANAGEMENT - III	2134UCAF	*		*			
	FINANCIAL ACCOUNTING AND AUDITING V - COST ACCOUNTING	2135UCCA	*		*			*
	BUSINESS ECONOMICS - III	2136UCBE	*					
	BUSINESS LAW – I	2137UCBL	*				*	*
IV	ADVERTISING : AGENCY AND MEDIA OPERATIONS	2241UCAD	*				*	*
	FOUNDATION COURSE – IV	2342UCFC					*	
	COMMERCE- IV (MANAGEMENT: PRODUCTION AND FINANCE)	2243UCOM	*					*
	ACCOUNTANCY AND FINANCIAL MANAGEMENT- IV	2344UCAF	*		*	*		

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(AUTONOMOUS)
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	FINANCIAL ACCOUNTING AND AUDITING -VI - COST ACCOUNTING	2245UCCA	*			*		*
	BUSINESS ECONOMICS – IV	2246UCBE	*					*
	BUSINESS LAW – II	2247UCBL	*				*	*
	ENVIRONMENTAL AWARENESS AND MONITORING SYSTEM	224UEAM					*	
	QUANTUM GIS	234QGIS		*			*	
	TALLY AND EXCEL OR ICITSS FROM ICAI	224UTXL		*				
V	FINANCIAL ACCOUNTING AND AUDITING PAPER - VII - FINANCIAL ACCOUNTIG	1851UCFA	*		*			
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VIII - (INTRODUCTION TO MANAGEMENT ACCOUNTING)	1852UCMA	*	*	*		*	*
	COMMERCE - V (MARKETING)	1853UCOM	*				*	*
	BUSINESS ECONOMICS - V (INDIAN FINANCIAL SYSTEM)	1854UCBE	*					
	DIRECT AND INDIRECT TAXES - PAPER I - DIRECT TAX	1855UCDT	*					*
	PSYCHOLOGY OF HUMAN BEHAVIOUR AT WORK	1856UCPS					*	
	EXPORT MARKETING: FUNDAMENTALS	1856UCEM	*				*	
	ELEMENTS OF OPERATIONS RESEARCH	1856UCOR		*		*		

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	COMPUTER SYSTEMS AND APPLICATIONS	1856UCCS		*		*		
VI	FINANCIAL ACCOUNTING AND AUDITING PAPER- IX - FINANCIAL ACCOUNTING	1861UCFA	*		*			*
	FINANCIAL ACCOUNTING AND AUDITING PAPER- X – AUDITING	1862UCAU	*	*			*	
	COMMERCE- VI - HUMAN RESOURCE MANAGEMENT	1863UCOM	*				*	
	BUSINESS ECONOMICS- VI	1864UCBE	*					
	DIRECT AND INDIRECT TAXES- PAPER II -INDIRECT TAX	1865UCDT	*					*
	PSYCHOLOGY OF HUMAN BEHAVIOR AT WORK	1866UCPS					*	
	EXPORT MARKETING: PROCESS AND PROCEDURES	1866UCEM	*				*	
	ELEMENTS OF OPERATIONS RESEARCH	1866UCOR		*		*		
	COMPUTER SYSTEMS AND APPLICATIONS	1866UCCS		*		*		
	BRANDING YOURSELF	236UGEBY	*					*
	LEARNING TO MAKE EFFECTIVE PRESENTATIONS	236UGEEP					*	
	UNDERSTANDING POLLUTION THROUGH MOBILE APPLICATION	236UGEPM					*	
	UNDERSTANDING MENTAL HEALTH	236UGEMH					*	

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(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	FINANCIAL STATEMENT ANALYSIS FOR NON-ACCOUNTANTS	236UGESAF	*		*			
	STOCK MARKET – AN INVESTMENT OPPORTUNITY	236UGESM	*					
	TRAVEL AND TOURISM	236UGETT					*	
	KNOW THY SELF	236UGEKS					*	
	ONLINE LEARNING RESOURCES (COIST)	236UGECST		*				
	VISUAL MERCHANDISING	236UGEVM						*
	STYLISATION/ STYLING	236UGEST					*	
	GROOMING AND PERSONALITY DEVELOPMENT	236UGEPD					*	
	QUANTUM GIS (QGIS) AND ITS APPLICATION	236UGEQG					*	
	ASTROLOGY	236UGEAS						
	IIT BOMBAY SPOKEN TUTORIAL PROGRAM	236UGESTP		*				
	DATA ANALYSIS USING SPREADSHEET	236UGEDAS		*				
	ENVIRONMENTAL AWARENESS AND MONITORING SYSTEM - II	236UGEEMS					*	
	SUSTAINABLE ENVIRONMENT	236UGESUE					*	

The Results of CO Attainment:

The Results of CO attainment are provided below in table 1.1

FOR EXAMPLE: COURSE CODE/TITLE: SEM III/2131UCAD /Fundamentals of Advertising

e.g. For end term and internal examination;

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(AUTONOMOUS)
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i. **Level-1**: 40% to 49.99% students scored more than class average

ii. **Level-2**: 50% to 59.99% students score more than class average;

iii. **Level-3:** 60% to 69.99% students score more than class average;

iv. **Level-4**: 70% to 79.99% students score more than class average;

v. **Level 5**: 80% to 89.99% students score more than class average.

Average Marks in External examination: 23

% Students score more than 23 is 415/600 i.e. 69.17% i.e. Level-3

Average Marks in Internal examination= 29

% Students score more than 29 is 421/600= 70.17%, i.e. Level-4

A (CO) 2131UCAD = 60% (3) + 40%(4) = 1.8 + 1.6 = 3.4

Hence, the attainment level is Level-2 and the set target level is Level-2 and therefore the CO is fully attained. Following table provides details of Course Outcome (CO) attainment levels.

Table No. UG 1.2: CO Attainment Level -Bachelor of Commerce (B.Com.)- Academic Year 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	INTRO TO BUSINESS	UC101IB23MA	3	2	Fully Attained	NA
	ACCOUNTANCY & FINANCIAL MANAGEMENT I	UC102AFM23MA	2.5	2	Fully Attained	NA
	FOUNDATION COURSE I	UC103FC23O	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	DATA ANALYSIS USING SPREADSHEET	UC104SS23O	2.25	2	Fully Attained	NA
	MONITORING POLLUTION THROUGH GIS	UC105PL23VS	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching
	MATHEMATICAL & STATISTICAL TECHNIQUES - I	UC106MST23SC	1.5	2		

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
(W), MUMBAI - 400 064.

	BUSINESS COMMUNICATION I	UC107BC23A	1.75	2		shall be planned
	ENVIRONMENTAL STUDIES I	UC108ES23V	2	2	Fully Attained	NA
	IKS	UC109KS23K	2.25	2	Fully Attained	NA
	CO-CURRICULAR COURSES	UC110CC23C	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
II	SERVICE SECTOR	UC 201 SS 23 MA	3.5	2	Fully Attained	NA
	ACCOUNTANCY & FINANCIAL MANAGEMENT-II	UC202AFM23MA	2.5	2	Fully Attained	NA
	BUSINESS ECONOMICS – I	UC203BE23MI	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	FOUNDATION COURSE – II	UC204FC23O	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	WORD AND PRESENTATION TOOLS	UC205WPT23O	2.5	2	Fully Attained	NA
	CONSTITUTION OF INDIA	UC 206 CI 23 VS	2.5	2	Fully Attained	NA
	MATHEMATICAL AND STATISTICAL TECHNIQUES –II	UC207MST23SC	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	BUSINESS COMMUNICATION – II	UC208BC23A	1.5	2		

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	ENVIRONMENTAL STUDIES – II	UC209ES23V	1.75	2		
	CO-CURRICULAR COURSES	UC 210 CC 23 C	1.56	2		
III	FUNDAMENTALS OF ADVERTISING	2231UCAD	3.6	2	Fully Attained	NA
	FOUNDATION COURSE - III (CONTEMPORARY INDIA: 1947-2000 A.D)	2332UCFC	1.6	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	COMMERCE - III (MANAGEMENT : PRINCIPLES AND FUNCTIONS)	2233U2COM	2.8	2	Fully Attained	NA
	ACCOUNTANCY AND FINANCIAL MANAGEMENT - III	2334UCAF	2.4	2	Fully Attained	NA
	FINANCIAL ACCOUNTING AND AUDITING V - COST ACCOUNTING	2235UCCA	2.8	2	Fully Attained	NA
	BUSINESS ECONOMICS - III	2236UCBE	3	2	Fully Attained	NA
	BUSINESS LAW – I	2237UCBL	2.8	2	Fully Attained	NA
IV	ADVERTISING: AGENCY AND MEDIA OPERATIONS	2241UCAD	2.4	2	Fully Attained	NA
	FOUNDATION COURSE – IV	2342UCFC	2	2	Fully Attained	NA
	COMMERCE- IV (MANAGEMENT: PRODUCTION AND FINANCE)	2243UCOM	2.8	2	Fully Attained	NA
	ACCOUNTANCY AND FINANCIAL MANAGEMENT- IV	2344UCAF	2.4	2	Fully Attained	NA

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
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	FINANCIAL ACCOUNTING AND AUDITING - VI - COST ACCOUNTING	2245UCCA	2.8	2	Fully Attained	NA
	BUSINESS ECONOMICS – IV	2246UCBE	2.4	2	Fully Attained	NA
	BUSINESS LAW – II	2147UCBL	4	2	Fully Attained	NA
	ENVIRONMENTAL AWARENESS AND MONITORING SYSTEM	224UEAM	4	2	Fully Attained	NA
	QUANTUM GIS	234QGIS	3	2	Fully Attained	NA
	TALLY AND EXCEL OR ICITSS FROM ICAI	224UTXL	4	2	Fully Attained	NA
	SUSTAINABLE ENVIRONMENT	234USUE	0	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
V	FINANCIAL ACCOUNTING AND AUDITING PAPER - VII - FINANCIAL ACCOUNTIG	2351UCFA	2.4	2	Fully Attained	NA
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VIII - (INTRODUCTION TO MANAGEMENT ACCOUNTING)	2352UCMA	2.4	2	Fully Attained	NA
	COMMERCE - V (MARKETING)	2353UCOM	2.4	2	Fully Attained	NA
	BUSINESS ECONOMICS - V (INDIAN FINANCIAL SYSTEM)	2354UCBE	2.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching

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	DIRECT AND INDIRECT TAXES - PAPER I - DIRECT TAX	2355UCDT	2.4	2		shall be planned
	PSYCHOLOGY OF HUMAN BEHAVIOUR AT WORK	2356UCPS	4	2	Fully Attained	NA
	EXPORT MARKETING: FUNDAMENTALS	2356UCEM	2.8	2	Fully Attained	NA
	ELEMENTS OF OPERATIONS RESEARCH	2356UCOR	3	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	COMPUTER SYSTEMS AND APPLICATIONS	2356UCCS	2.4	2	Fully Attained	NA
VI	FINANCIAL ACCOUNTING AND AUDITING PAPER- IX - FINANCIAL ACCOUNTING	2361UCFA	2.4	2	Fully Attained	NA
	FINANCIAL ACCOUNTING AND AUDITING PAPER- X – AUDITING	2362UCAU	2	2	Fully Attained	NA
	COMMERCE- VI - HUMAN RESOURCE MANAGEMENT	2363UCOM	2.4	2	Fully Attained	NA
	BUSINESS ECONOMICS- VI	2364UCBE	3.2	2	Fully Attained	NA
	DIRECT AND INDIRECT TAXES- PAPER II - INDIRECT TAX	2365UCIT	3.4	2	Fully Attained	NA
	PSYCHOLOGY OF HUMAN BEHAVIOR AT WORK	2366UCPS	2.8	2	Fully Attained	NA

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	EXPORT MARKETING: PROCESS AND PROCEDURES	2366UCEM	3	2	Fully Attained	NA
	ELEMENTS OF OPERATIONS RESEARCH	2366UCOR	2	2	Fully Attained	NA
	COMPUTER SYSTEMS AND APPLICATIONS	2366UCCS	2	2	Fully Attained	NA
	GE 1 and 2	236UGE1 236UGE2	3.5	2	Fully Attained	NA
Average			2.46	2		
NA: Not applicable as target level is fully attained.						

Table No. UG 1.3: Results of CO-PO attainment
Bachelor of Commerce (B.Com.)

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	INTRO TO BUSINESS	UC101IB23MA	3					3
	ACCOUNTANCY & FINANCIAL MANAGEMENT I	UC102AFM23MA	2.5		2.5	2.5		2.5
	FOUNDATION COURSE I	UC103FC23O	1.5				1.5	
	DATA ANALYSIS USING SPREADSHEET	UC104SS23O		2.25				
	MONITORING POLLUTION THROUGH GIS	UC105PL23VS					1.5	
	MATHEMATICAL & STATISTICAL TECHNIQUES - I	UC106MST23SC				1.5		
	BUSINESS COMMUNICATION I	UC107BC23A					1.75	
	ENVIRONMENTAL STUDIES I	UC108ES23V					2	
	IKS	UC109KS23K					2.25	
	CO-CURRICULAR COURSES	UC110CC23C					1.5	
II	SERVICE SECTOR	UC 201 SS 23 MA	3.5					3.5
	ACCOUNTANCY & FINANCIAL MANAGEMENT II	UC202AFM23MA	2.5		2.5	2.5		

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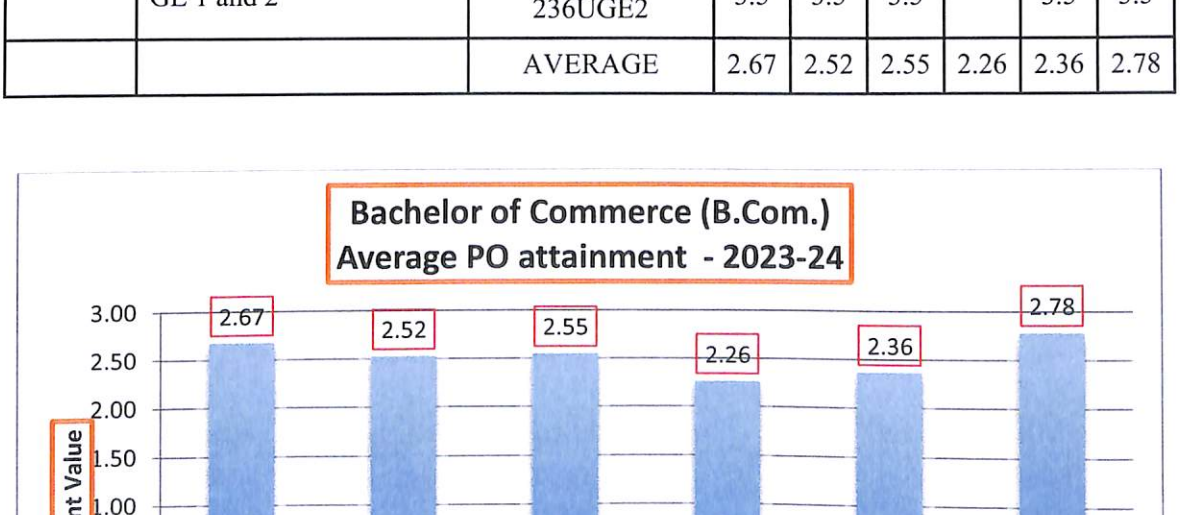
	BUSINESS ECONOMICS I	UC203BE23MI	1.5					1.5
	FOUNDATION COURSE II	UC204FC23O	1.75				1.75	
	WORD AND PRESENTATION TOOLS	UC205WPT23O		2.5				
	CONSTITUTION OF INDIA	UC 206 CI 23 VS					2.5	
	MATHEMATICAL & STATISTICAL TECHNIQUES - II	UC207MST23SC				1.5		
	BUSINESS COMMUNICATION II	UC208BC23A					1.5	
	ENVIRONMENTAL STUDIES - II	UC209ES23V					1.75	
	CO-CURRICULAR COURSES	UC 210 CC 23 C					1.56	
III	FUNDAMENTALS OF ADVERTISING	2231UCAD	3.6				3.6	3.6
	FOUNDATION COURSE - III (CONTEMPORARY INDIA: 1947-2000 A.D)	2332UCFC		1.6			1.6	
	COMMERCE - III (MANAGEMENT : PRINCIPLES AND FUNCTIONS)	2233U2COM	2.8				2.8	2.8
	ACCOUNTANCY AND FINANCIAL MANAGEMENT - III	2334UCAF	2.4		2.4			
	FINANCIAL ACCOUNTING AND AUDITING V - COST ACCOUNTING	2235UCCA	2.8		2.8			2.8
	BUSINESS ECONOMICS - III	2236UCBE	3					
	BUSINESS LAW – I	2237UCBL	2.8				2.8	2.8
IV	ADVERTISING: AGENCY AND MEDIA OPERATIONS	2241UCAD	2.4				2.4	2.4
	FOUNDATION COURSE – IV	2342UCFC					2	
	COMMERCE- IV (MANAGEMENT: PRODUCTION AND FINANCE)	2243UCOM	2.8					2.8

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	ACCOUNTANCY AND FINANCIAL MANAGEMENT- IV	2344UCAF	2.4		2.4	2.4		
	FINANCIAL ACCOUNTING AND AUDITING -VI - COST ACCOUNTING	2245UCCA	2.8			2.8		2.8
	BUSINESS ECONOMICS – IV	2246UCBE	2.4					2.4
	BUSINESS LAW – II	2247UCBL	4				4	4
	ENVIRONMENTAL AWARENESS AND MONITORING SYSTEM	224UEAM					4	
	QUANTUM GIS	234QGIS		3			3	
	TALLY AND EXCEL OR ICITSS FROM ICAI	224UTXL		4				
	SUSTAINABLE ENVIRONMENT	234USUE					0	
V	FINANCIAL ACCOUNTING AND AUDITING PAPER - VII - FINANCIAL ACCOUNTIG	2351UCFA	2.4		2.4			
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VIII - (INTRODUCTION TO MANAGEMENT ACCOUNTING)	2352UCMA	2.4	2.4	2.4		2.4	2.4
	COMMERCE - V (MARKETING)	2353UCOM	2.4				2.4	2.4
	BUSINESS ECONOMICS - V (INDIAN FINANCIAL SYSTEM)	2354UCBE	2.8					
	DIRECT AND INDIRECT TAXES - PAPER I - DIRECT TAX	2355UCDT	2.4					2.4
	PSYCHOLOGY OF HUMAN BEHAVIOUR AT WORK	2356UCPS					4	
	EXPORT MARKETING: FUNDAMENTALS	2356UCEM	2.8				2.8	
	ELEMENTS OF OPERATIONS RESEARCH	2356UCOR		3		3		
	COMPUTER SYSTEMS AND APPLICATIONS	2356UCCS		2.4		2.4		

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VI	FINANCIAL ACCOUNTING AND AUDITING PAPER- IX - FINANCIAL ACCOUNTING	2361UCFA	2.4		2.4			2.4
	FINANCIAL ACCOUNTING AND AUDITING PAPER- X – AUDITING	2362UCAU	2	2			2	
	COMMERCE- VI - HUMAN RESOURCE MANAGEMENT	2363UCOM	2.4				2.4	
	BUSINESS ECONOMICS- VI	2364UCBE	3.2					
	DIRECT AND INDIRECT TAXES- PAPER II -INDIRECT TAX	2365UCIT	3.4					3.4
	PSYCHOLOGY OF HUMAN BEHAVIOR AT WORK	2366UCPS					2.8	
	EXPORT MARKETING: PROCESS AND PROCEDURES	2366UCEM	3				3	
	ELEMENTS OF OPERATIONS RESEARCH	2366UCOR		2		2		
	COMPUTER SYSTEMS AND APPLICATIONS	2366UCCS		2		2		
	GE 1 and 2	236UGE1 236UGE2	3.5	3.5	3.5		3.5	3.5
		AVERAGE	2.67	2.52	2.55	2.26	2.36	2.78



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From above graph, it is observed that average PO attainment value for all but two program outcome is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (value above 2.5).

PO Attainment= 80% (Average attainment level by direct method) + 20% (Average attainment level by indirect method).

PO Attainment= 80%(2) + 20% (4) = 1.6 + 0.8 = **2.4- Level 4- Very Good**

Target Level was 4. Hence PO attended.

Table No. 1.2a PO Attainment Level

Academic year	**PO attainment level**	**Target Attainment Level**	**Fully Attained/ Not Attained**	**Remedial Measures**
A2021-22	4	4	Fully Attained	NA
A2022-23	5	4	Fully Attained	NA
A2023-24	4	4	Fully Attained	NA
NA: Not applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level less than Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than target level-4. Hence at present no plans are required.

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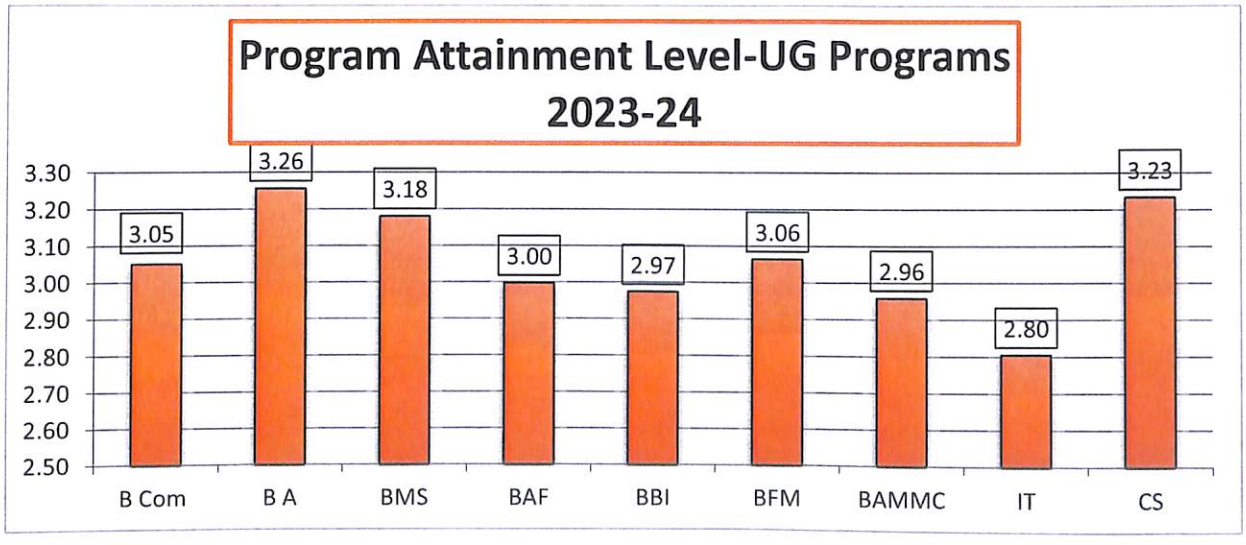
Following table no.1.3 provides semester wise CO attainment and PO attainment levels of 10 undergraduate programs for academic year 2023-24

Table No.1.3

Attainment level_-Undergraduate programs academic year 2023-24

	Attainment level_-Undergraduate programs							
Academic Year-	First Year		Second Year		Third Year		Average	**Program Attainment**
2023-24	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	Direct	**Direct+ Indirect**
B Com	2.89	3.11	2.91	2.87	2.14	2.96	2.81	**3.05**
B A	3.2	3.2	3.51	3.14	2.59	2.78	3.07	**3.26**
BMS	2.78	3.02	2.87	2.96	2.97	3.25	2.98	**3.18**
BAF	2.83	2.73	2.25	2.76	2.75	3.16	2.75	**3.00**
BBI	2.81	2.8	2.38	2.83	2.4	3.08	2.72	**2.97**
BFM	2.91	2.86	2.96	2.62	3.06	2.57	2.83	**3.06**
BAMMC	2.66	3.01	2.47	3	2.55	2.5	2.70	**2.96**
IT	2.53	2.35	2.27	2.29	2.7	2.89	2.51	**2.80**
CS	2.42	2.99	3.39	3.41	3.23	2.81	3.04	**3.23**

Now we provide graphical representation of PO attainment levels of UG Program for academic year 2023-24



.

It is observed that program attainment value for all program is greater than or equal to 2.5. This indicates in this academic year, overall attainment of all UG programs is 5 i. e. Excellent.

In the following table no. 1.4 provides semester wise CO attainment and PO attainment levels of 5 post graduate programs for the academic years 2023-24

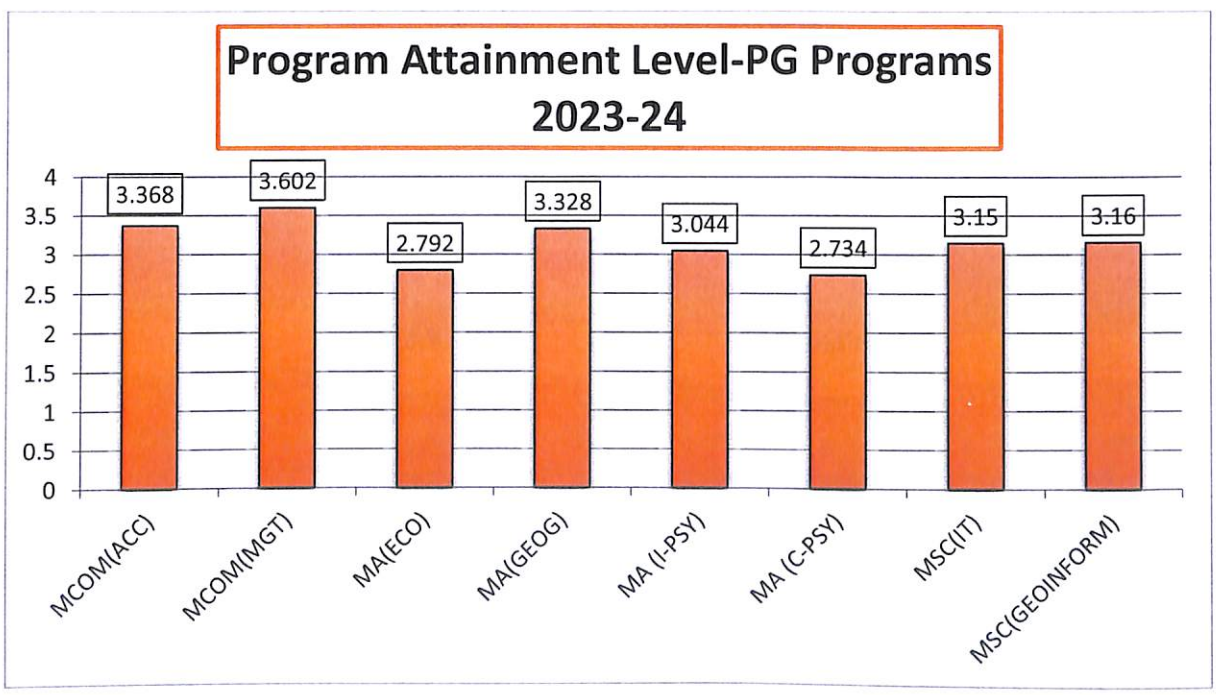
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Table No.1.4

Attainment level_-_ Postgraduate programs academic year 2023-24

Academic Year-2023-24	Attainment level _ - Postgraduate courses					Program Attainment
	First Year		Second Year		Average	
	SEM 1	SEM 2	SEM 3	SEM 4		Direct + indirect
MCOM(ACC)	3.1	3.47	2.79	3.48	3.21	**3.37**
MCOM(MGT)	2.56	3.83	3.84	3.78	3.50	**3.60**
MA(ECO)	2.48	3.09	2.61	1.78	2.49	**2.79**
MA(GEOG)	3.1	3.8	2.68	3.06	3.16	**3.33**
MA (I-PSY)	2.88	3.31	2.2	2.83	2.81	**3.04**
MA (C-PSY)	2.44	2.49	2.2	2.54	2.42	**2.73**
MSC(IT)	3.26	3.32	2.74	2.41	2.93	**3.15**
MSC(GEOINFORM)	3.3	3.05	3.18	2.25	2.95	**3.16**

Now we provide graphical representation of PO attainment levels of PG Program for academic year 2023-24



It is observed that program attainment value for all programs is greater than 2.5. This indicates in this academic year, overall attainment of all PG programs is 5 i. e. Excellent.

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ALL UNDER GRADUATE COURSES

ANNEXTURE UG 2
Bachelor of Arts (BA):
Table No. UG 2.1: PO CO Mapping Matrix: Bachelor of Arts (BA)
Academic Year - 2023-24

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 1	PSO 2	PSO 3	PSO 4	PSO 1	PSO 2	PSO 3	PSO 4
Sem 1	Fundamentals of Psychology I	UA1001FP23MA	*		*	*	*	*										
	Introduction to Human Geography	UA1002HG23MA	*		*	*	*									*		
	Micro-Economics I	UA1003MIE23MA	*								*	*	*	*				
	Foundation Course I	UA103FC23O					*											
	Fundamentals of Business	UA104FB23O			*													
	Monitoring Pollution through GIS	UA105PL23VS					*											
	Descriptive Statistics I	UA106DS23SC			*	*												
	Communication Skills in English I	UA107CS23A		*	*		*											
	Environmental Studies I	UA108ES23V					*											
	Indian Knowledge System (IKS)	UA109KS23K					*											
	Co-Curricular Courses	UA110CC23C					*											
Sem 2	Fundamentals of Psychology - I	UA 2001 FP 23 MA	*		*		*	*										
	Tourism Geography	UA 2002 TG 23 MA	*		*	*	*								*	*	*	*
	Macro-Economics I	UA 2003 MAE 23 MA	*								*	*	*	*				
	Understanding Human Behaviour	UA 2004 UHB 23 MI	*					*	*	*								
	Introduction to Geography	UA 2005 IG 23 MI	*		*	*	*									*	*	*
	Economics	UA 2006 EC 23 MI	*								*	*		*				

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			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**
	Foundation Course II	UA 204 FC 23 O					*											
	Introduction to Management	UA 205 IM 23 O			*													
	Constitution of India	UA 206 CI 23 VS					*											
	Descriptive Statistics II	UA 207 DS 23 SC			*	*												
	Communication Skills in English II	UA 208 CS 23 A		*	*		*											
	Environmental Studies II	UA 209 ES 23 V					*											
	Co-Curricular Courses	UA 210 CC 23 C					*											
Sem 3	Advertising: Fundamentals of Advertising	2231UAAD			*													
	Foundation Course – III	2332UAFC					*											
	Economics - II (Microeconomics- II)	2233UAMI	*								*	*						
	Geography - II (Geography of Maharashtra)	2235UAGM	*		*	*	*								*	*		
	Psychology - II (Social Psychology)	2237UASP	*					*		*								
	Economics – III (Indian Economy – Contemporary Concerns)	2234UAIE	*										*	*				
	Geography – III (Agricultural Geography)	2236UAAG	*		*	*	*								*	*	*	*
	Psychology - III (Developmental Psychology)	2238UADP	*		*	*	*	*		*								
Sem 4	Advertising: Agency and Media Operations	2241UAAD			*													
	Foundation Course – IV	2342UAFC					*											
	Economics - II	2243UAMA	*								*	*						

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			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 1	PSO 2	PSO 3	PSO 4	PSO 1	PSO 2	PSO 3	PSO 4
	(Macro Economics –II)																	
	Geography - II (Geography of India)	2245UAGI	*		*	*	*								*	*	*	*
	Psychology - II (Social Psychology)	2247UASP	*		*		*	*		*								
	Economics - III (Development Issues of Maharashtra's Economy)	2244UAME	*		*	*	*				*		*	*				
	Geography - III (Geography of Tourism)	2246UAGT	*		*		*								*	*		*
	Psychology - III (Developmental Psychology)	2248UADP	*		*		*	*		*								
	Environmental Awareness and Monitoring system - I	236UEAM					*											
	Quantum GIS	234UQGIS				*											*	
	Data Analysis using Spreadsheet	234UDAS				*			*			*					*	
	Sustainable Environment	234USUE					*											*
Sem 5 (Eco)	Economics - IV (Advanced Economic Theory – I)	2351UAAET	*								*	*	*	*				
	Economics - V (Economics of Development – I)	2352UAED	*				*				*	*	*	*				
	Economics - VI (Indian Financial System – I)	2353UAIFS	*		*						*	*	*	*				
	Economics - VII (Research Methodology – I)	2354UARM	*			*					*	*	*	*				
	Economics - VII	2354UAMEA	*		*	*					*	*	*	*				

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			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**
	(Mathematics for Economic Analysis)																	
	Economics - VIII (Public Economics)	2355UAPE	*								*	*	*	*				
	Economics - VIII (Environmental Economics)	2355UAEE	*		*	*	*				*	*	*	*				
	Economics - IX (History of Economic Thought)	2356UAHET	*	*	*	*					*	*	*	*				
	(Economics of Agriculture and Cooperation)	2356UAEAC	*								*	*	*	*				
Sem 6 (Eco)	Economics - IV (Advanced Economic Theory – II)	2361UAAET	*								*	*	*	*				
	(Economics - V Economics of Development – II)	2362UAED	*				*				*	*	*	*				
	Economics - VI (Indian Financial System – II)	2363UAIFS	*		*						*	*	*	*				
	Economics – VII (Research Methodology – II)	2364UARM	*			*					*	*	*	*				
	Economics - VII (Basic Econometrics)	2364UABE	*		*	*	*				*	*	*	*				
	Economics - VIII (International Economics)	2365UAIE	*								*	*	*	*				
	Economics - VIII (Political Economy of Globalisation)	2365UAPEG	*	*	*	*					*	*	*	*				
	Economics - IX (Indian Economic Thought)	2366UAIET	*	*	*	*					*	*	*	*				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**
	Economics - IX (Economic History of India: 1857-1947)	2366UAEHI	*								*	*	*	*				
	Psychology - IV (Psychological Testing and Statistics)	2351UATS	*		*	*		*	*	*								
Sem 5 (Psy)	*Psychology - V* (Abnormal Psychology)	2352UAAB	*		*	*	*	*	*	*								
	Psychology - VI (Industrial Psychology)	2353UAIO	*		*	*	*	*	*	*								
	Psychology - VIII (Practicals in Cognitive Processes and Psychological Testing)	2355UAPT	*		*	*	*	*	*	*								
	Psychology - VII (Cognitive Psychology)	2354UACO	*		*	*	*	*	*	*								
	Community Psychology	2354UACM	*		*	*	*	*	*	*								
	Psychology - IX (Counseling Psychology)	2356UACP	*		*	*	*	*	*	*								
	Psychology of Gender	2356UAPG	*		*	*	*	*	*	*								
	Psychology IV (Psychological Testing and Statistics)	2361UATS	*		*	*		*	*									
Sem 6 (Psy)	*Psychology V* (Abnormal Psychology)	2362UAAS	*		*	*	*	*	*	*								
	Psychology VI (Industrial Psychology)	2363UAIO	*		*	*	*	*	*	*								
	Psychology VIII	2365UAPT	*		*	*	*	*	*	*								

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**
	(Practicals in Cognitive Processes and Psychological Testing)																	
	Psychology VII (Cognitive Psychology)	2364UACO	*		*	*		*	*									
	Community Psychology	2364UACM	*		*	*	*	*	*	*								
	Psychology IX (Counseling Psychology)	2366UACP	*		*	*	*	*	*	*								
	Psychology of Gender	2366UAPG	*		*	*	*	*	*	*								
Sem 5 (Geo)	Geography - IV Introduction to Geomorphology	2351UAGM	*		*										*	*		*
	Geography - VII Population Geography	2354UAPG	*		*										*	*		
	Geography - IX Geospatial Technology	2356UAGT	*		*	*									*		*	*
	Geography - VI Tools and Techniques in Geography for Spatial Analysis – I (Practical)	2353UASA	*		*	*									*		*	
	Geography - V Geography of Rural Settlement	2352UAGRS	*		*										*	*		
	Geography - V Regional Planning and Development	2352UARPD	*		*										*	*		
	Geography - V Geography of Health	2352UAGH	*		*		*								*	*		
	Geography - VIII Geography of Resources	2355UAGR	*		*										*	*		*
	Geography - VIII	2355UAPLG	*		*										*	*		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**
	Political Geography																	
	Geography - IV Introduction to Climatology and Oceanography	2361UACLO	*		*										*			*
Sem 6 (Geo)	Geography - VII Economic Geography	2364UAEG	*		*										*	*		
	Geography - IX Research Methodology in Geography (Practical)	2366UARMG	*		*	*									*		*	
	Geography - VI Tools and Techniques in Geography for Spatial Analysis – II (Practical)	2363UASA	*		*	*									*		*	
	Geography - V (Geography of Urban Settlement)	2362UAGUS	*		*										*	*		
	Geography - V Geography of Transport	2362UAGTR	*		*										*	*		
	Geography - V Geography of Disaster Mitigation and Management	2362UAGDM	*		*		*								*	*		*
	Geography - VIII Biogeography	2365UABG	*		*										*	*		
	Geography - VIII Social and Cultural Geography	2365UASCG	*		*										*	*		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Table No. UG 2.2: CO Attainment Level -Bachelor of Arts (B.A.)- Academic Year 2023-24

Semester	Course	Course code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Fundamentals of Psychology I	UA1001FP23 MA	3	2	Fully Attained	NA
	Introduction to Human Geography	UA1002HG23 MA	4	2	Fully Attained	NA
	Micro-Economics I	UA1003MIE2 3MA	2	2	Fully Attained	NA
	Foundation Course I	UA103FC23O	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Fundamentals of Business	UA104FB23O	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Monitoring Pollution through GIS	UA105PL23V S	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Descriptive Statistics I	UA106DS23S C	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Communication Skills in English I	UA107CS23A	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Environmental Studies I	UA108ES23V	2.5	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Indian Knowledge System (IKS)	UA109KS23K	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Co-Curricular Courses	UA110CC23C	1.8125	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
II	Fundamentals of Psychology - I	UA 2001 FP 23 MA	4	2	Fully Attained	NA
	Tourism Geography	UA 2002 TG 23 MA	4	2	Fully Attained	NA
	Macro-Economics I	UA 2003 MAE 23 MA	2.5	2	Fully Attained	NA
	Understanding Human Behaviour	UA 2004 UHB 23 MI	1.5	2	Fully Attained	NA
	Introduction to Geography	UA 2005 IG 23 MI	2	2	Fully Attained	NA
	Economics	UA 2006 EC 23 MI	1.5	2	Fully Attained	NA
	Foundation Course II	UA 204 FC 23 O	2	2	Fully Attained	NA
	Introduction to Management	UA 205 IM 23 O	2.25	2	Fully Attained	NA
	Constitution of India	UA 206 CI 23 VS	2.25	2	Fully Attained	NA
	Descriptive Statistics II	UA 207 DS 23 SC	2	2	Fully Attained	NA
	Communication Skills in English II	UA 208 CS 23 A	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Environmental Studies II	UA 209 ES 23 V	2.5	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Co-Curricular Courses	UA 210 CC 23 C	1.8125	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
III	Advertising: Fundamentals of Advertising	2231UAAD	2.4	2	Fully Attained	NA
	Foundation Course – III	2332UAFC	2	2	Fully Attained	NA
	Economics - II (Microeconomics- II)	2233UAMI	4	2	Fully Attained	NA
	Geography - II (Geography of Maharashtra)	2235UAGM	2.8	2	Fully Attained	NA
	Psychology - II (Social Psychology)	2237UASP	2.2	2	Fully Attained	NA
	Economics – III (Indian Economy – Contemporary Concerns)	2234UAIE	2.8	2	Fully Attained	NA
	Geography – III (Agricultural Geography)	2236UAAG	2.8	2	Fully Attained	NA
	Psychology - III (Developmental Psychology)	2238UADP	3.8	2	Fully Attained	NA
IV	Advertising: Agency and Media Operations	2241UAAD	2.8	2	Fully Attained	NA
	Foundation Course – IV	2342UAFC	3.4	2	Fully Attained	NA
	Economics - II (Macro Economics –II)	2243UAMA	2.4	2	Fully Attained	NA
	Geography - II (Geography of India)	2245UAGI	3	2	Fully Attained	NA
	Psychology - II (Social Psychology)	2247UASP	3.6	2	Fully Attained	NA
	Economics - III (Development Issues of Maharashtra's Economy)	2244UAME	3.4	2	Fully Attained	NA
	Geography - III	2246UAGT	3.4	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	(Geography of Tourism)					
	Psychology - III (Developmental Psychology)	2248UADP	4.6	2	Fully Attained	NA
	Environmental Awareness and Monitoring system – I	236UEAM	NA	2	Fully Attained	NA
	Quantum GIS	234UQGIS	2	2	Fully Attained	NA
	Data Analysis using Spreadsheet	234UDAS	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Sustainable Environment	234USUE	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
V (Eco)	Economics - IV (Advanced Economic Theory – I)	2351UAAET	2.4	2	Fully Attained	NA
	Economics - V (Economics of Development – I)	2352UAED	2.4	2	Fully Attained	NA
	Economics - VI (Indian Financial System – I)	2353UAIFS	2.4	2	Fully Attained	NA
	Economics - VII (Research Methodology – I)	2354UARM	2.4	2	Fully Attained	NA
	Economics - VII (Mathematics for Economic Analysis)	2354UAMEA	3.2	2	Fully Attained	NA
	Economics - VIII (Public Economics)	2355UAPE	2.4	2	Fully Attained	NA
	Economics - VIII (Environmental Economics)	2355UAEE	NA	2	Fully Attained	NA
	Economics - IX	2356UAEAC	NA	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	(History of Economic Thought)					
	(Economics of Agriculture and Cooperation)	2356UAHET	2	2	Fully Attained	NA
VI (Eco)	Economics - IV (Advanced Economic Theory – II)	2261UAAET	3.2	2	Fully Attained	NA
	(Economics - V Economics of Development – II)	2262UAED	3	2	Fully Attained	NA
	Economics - VI (Indian Financial System – II)	2263UAIFS	3.8	2	Fully Attained	NA
	Economics – VII (Research Methodology – II)	2264UARM	2.4	2	Fully Attained	NA
	Economics - VII (Basic Econometrics)	2264UABE	2.8	2	Fully Attained	NA
	Economics - VIII (International Economics)	2265UAIE	3.4	2	Fully Attained	NA
	Economics - VIII (Political Economy of Globalisation)	2265UAPEG	NA	2	Fully Attained	NA
	Economics - IX (Indian Economic Thought)	2366UAIET	3	2	Fully Attained	NA
	Economics - IX (Economic History of India: 1857-1947)	2366UAEHI	NA	2	Fully Attained	NA
V (Psy)	*Psychology - IV* (Psychological Testing and Statistics)	2251UATS	3	2	Fully Attained	NA
	Psychology - V (Abnormal Psychology)	2252UAAB	2.8	2	Fully Attained	NA
	Psychology - VI (Industrial Psychology)	2253UAIO	2.8	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Psychology - VIII (Practicals in Cognitive Processes and Psychological Testing)	2255UAPT	2.4	2	Fully Attained	NA
	Psychology - VII (Cognitive Psychology)	2354UACO	3	2	Fully Attained	NA
	Community Psychology	2354UACM	NA	2	Fully Attained	NA
	Psychology - IX (Counseling Psychology)	2356UACP	2.8	2	Fully Attained	NA
	Psychology of Gender	2356UAPG	NA	2	Fully Attained	NA
VI (PSY)	*Psychology IV* (Psychological Testing and Statistics)	2361UATS	2.4	2	Fully Attained	NA
	Psychology V (Abnormal Psychology)	2362UAAS	2.4	2	Fully Attained	NA
	Psychology VI (Industrial Psychology)	2363UAIO	3.4	2	Fully Attained	NA
	Psychology VIII (Practicals in Cognitive Processes and Psychological Testing)	2365UAPT	4	2	Fully Attained	NA
	Psychology VII (Cognitive Psychology)	2364UACO	2.4	2	Fully Attained	NA
	Community Psychology	2364UACM	NA	2	Fully Attained	NA
	Psychology IX (Counseling Psychology)	2366UACP	3.4	2	Fully Attained	NA
	Psychology of Gender	2366UAPG	NA	2	Fully Attained	NA
V (Geo)	Geography - IV Introduction to Geomorphology	2351UAGM	3.4	2	Fully Attained	NA
	Geography - VII Population Geography	2354UAPG	2.8	2	Fully Attained	NA
	Geography - IX Geospatial Technology	2356UAGT	2.8	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Geography - VI Tools and Techniques in Geography for Spatial Analysis – I (Practical)	2353UASA	3.4	2	Fully Attained	NA
	Geography - V Geography of Rural Settlement	2352UAGRS	2.4	2	Fully Attained	NA
	Geography - V Regional Planning and Development	2352UARPD	NA	2	Fully Attained	NA
	Geography - V Geography of Health	2352UAGH	NA	2	Fully Attained	NA
	Geography - VIII Geography of Resources	2355UAGR	2.8	2	Fully Attained	NA
	Geography - VIII Political Geography	2355UAPLG	NA	2	Fully Attained	NA
VI (GEO)	Geography - IV Introduction to Climatology and Oceanography	2361UACLO	3.8	2	Fully Attained	NA
	Geography - VII Economic Geography	2364UAEG	2.8	2	Fully Attained	NA
	Geography - IX Research Methodology in Geography (Practical)	2366UARMG	2.8	2	Fully Attained	NA
	Geography - VI Tools and Techniques in Geography for Spatial Analysis – II (Practical)	2363UASA	3.8	2	Fully Attained	NA
	Geography - V (Geography of Urban Settlement)	2362UAGUS	2.8	2	Fully Attained	NA
	Geography - V Geography of Transport	2362UAGTR	NA	2	Fully Attained	NA
	Geography - V	2362UAGDM	NA	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Geography of Disaster Mitigation and Management					
	Geography - VIII Biogeography	2365UABG	NA	2	Fully Attained	NA
	Geography - VIII Social and Cultural Geography	2365UASCG	3.4	2	Fully Attained	NA
		Average	***2.68***			
NA: Not Applicable as target level is fully attained.						

Table No UG 2.2a: PO Attainment Level-BA
Academic Year 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	5	4	Fully Attained	NA
A2023-24	5	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plan is required.

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Table No. UG 2.3: Results of CO-PO attainment-Bachelor of Arts(BA)-Academic Year 2023-24

BA PO CO Mapping Matrix 2023-24

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO1	PSO2	PSO3	PSO4	PSO1	PSO2	PSO3	PSO4
Sem 1	Fundamentals of Psychology I	UA1001FP23MA	3		3	3	3	3										
	Introduction to Human Geography	UA1002HG23MA	4		4	4	4									4		
	Micro-Economics I	UA1003MIE23MA	2								2	2	2	2				
	Foundation Course I	UA103FC23O					1.5											
	Fundamentals of Business	UA104FB23O			1.75													
	Monitoring Pollution through GIS	UA105PL23VS					1.5											
	Descriptive Statistics I	UA106DS23SC			1.5	1.5												
	Communication Skills in English I	UA107CS23A		1.75	1.75		1.75											
	Environmental Studies I	UA108ES23V					2.5											

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
	Indian Knowledge System (IKS)	UA109KS23K					1.75											
	Co-Curricular Courses	UA110CC23C					1.8125											
Sem 2	Fundamentals of Psychology - I	UA 2001 FP 23 MA	4		4		4	4										
	Tourism Geography	UA 2002 TG 23 MA	4		4	4	4								4	4	4	4
	Macro-Economics I	UA 2003 MAE 23 MA	2.5								2.5	2.5	2.5	2.5				
	Understanding Human Behaviour	UA 2004 UHB 23 MI	1.5					1.5	1.5	1.5								
	Introduction to Geography	UA 2005 IG 23 MI	2		2	2	2								2	2	2	2
	Economics	UA 2006 EC 23 MI	1.5								1.5	1.5	1.5	1.5				
	Foundation Course II	UA 204 FC 23 O					2											
	Introduction to Management	UA 205 IM 23 O			2.25													
	Constitution of India	UA 206 CI 23 VS					2.25											

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**
	Descriptive Statistics II	UA 207 DS 23 SC			2	2												
	Communication Skills in English II	UA 208 CS 23 A		1.75	1.75		1.75											
	Environmental Studies II	UA 209 ES 23 V					2.5											
	Co-Curricular Courses	UA 210 CC 23 C					1.8125											
Sem 3	Advertising: Fundamentals of Advertising	2231UAAD			2.4													
	Foundation Course – III	2332UAFC					2											
	Economics - II (Microeconomics- II)	2233UAMI	4								4	4						
	Geography - II (Geography of Maharashtra)	2235UAGM	2.8		2.8	2.8	2.8								2.8	2.8		
	Psychology - II (Social Psychology)	2237UASP	2.2					2.2		2.2								
	Economics – III (Indian Economy – Contemporary Concerns)	2234UAIE	2.8										2.8	2.8				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
	Geography – III (Agricultural Geography)	2236UAAG	2.8		2.8	2.8	2.8								2.8	2.8	2.8	2.8
	Psychology - III (Developmental Psychology)	2238UADP	3.8		3.8	3.8	3.8	3.8		3.8								
Sem 4	Advertising: Agency and Media Operations	2241UAAD			2.8													
	Foundation Course – IV	2342UAFC					3.4											
	Economics - II (Macro Economics –II)	2243UAMA	2.4								2.4	2.4						
	Geography - II (Geography of India)	2245UAGI	3		3	3	3								3	3	3	3
	Psychology - II (Social Psychology)	2247UASP	3.6		3.6		3.6	3.6		3.6								
	Economics - III (Development Issues of Maharashtra's Economy)	2244UAME	3.4		3.4	3.4	3.4				3.4		3.4	3.4				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
	Geography - III (Geography of Tourism)	2246UAGT	3.4		3.4		3.4								3.4	3.4		3.4
	Psychology - III (Developmental Psychology)	2248UADP	4.6		4.6		4.6	4.6		4.6								
	Environmental Awareness and Monitoring system - I	236UEAM					*											
	Quantum GIS	234UQGIS				2											2	
	Data Analysis using Spreadsheet	234UDAS				1			1			1					1	
	Sustainable Environment	234USUE					1											1
Sem 5 (Eco)	Economics - IV (Advanced Economic Theory – I)	2351UAAET	2.4								2.4	2.4	2.4	2.4				
	Economics - V (Economics of Development – I)	2352UAED	2.4				2.4				2.4	2.4	2.4	2.4				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
	Economics - VI (Indian Financial System – I)	2353UAIFS	2.4		2.4						2.4	2.4	2.4	2.4				
	Economics - VII (Research Methodology – I)	2354UARM	2.4			2.4					2.4	2.4	2.4	2.4				
	Economics - VII (Mathematics for Economic Analysis)	2354UAMEA	3.2		3.2	3.2					3.2	3.2	3.2	3.2				
	Economics - VIII (Public Economics)	2355UAPE	2.4								2.4	2.4	2.4	2.4				
	Economics - VIII (Environmental Economics)	2355UAEE	*		*	*	*				*	*	*	*				
	Economics - IX (History of Economic Thought)	2356UAEAC	*	*	*	*					*	*	*	*				
	(Economics of Agriculture and Cooperation)	2356UAHET	2								2	2	2	2				
Sem 6 (Eco)	Economics - IV (Advanced Economic Theory – II)	2361UAAET	3.2								3.2	3.2	3.2	3.2				
	(Economics - V	2362UAED	3				3				3	3	3	3				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
	Economics of Development – II)																	
	Economics - VI (Indian Financial System – II)	2363UAIFS	3.8		3.8						3.8	3.8	3.8	3.8				
	Economics – VII (Research Methodology – II)	2364UARM	2.4			2.4					2.4	2.4	2.4	2.4				
	Economics - VII (Basic Econometrics)	2364UABE	2.8		2.8	2.8	2.8				2.8	2.8	2.8	2.8				
	Economics - VIII (International Economics)	2365UAIE	3.4								3.4	3.4	3.4	3.4				
	Economics - VIII (Political Economy of Globalisation)	2365UAPEG	*	*	*	*					*	*	*	*				
	Economics - IX (Indian Economic Thought)	2366UAIET	3	3	3	3					3	3	3	3				
	Economics - IX (Economic History of India: 1857-1947)	2366UAEHI	*								*	*	*	*				
Sem 5 (Psy)	*Psychology - IV* (Psychological Testing and Statistics)	2351UATS	3		3	3		3	3	3								

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
	Psychology - V (Abnormal Psychology)	2352UAAB	2.8		2.8	2.8	2.8	2.8	2.8	2.8								
	Psychology - VI (Industrial Psychology)	2353UAIO	2.8		2.8	2.8	2.8	2.8	2.8	2.8								
	Psychology - VIII (Practicals in Cognitive Processes and Psychological Testing)	2355UAPT	2.4		2.4	2.4	2.4	2.4	2.4	2.4								
	Psychology - VII (Cognitive Psychology)	2354UACO	3		3	3	3	3	3	3								
	Community Psychology	2354UACM	*		*	*	*	*	*	*								
	Psychology - IX (Counseling Psychology)	2356UACP	2.8		2.8	2.8	2.8	2.8	2.8	2.8								
	Psychology of Gender	2356UAPG	*		*	*	*	*	*	*								
Sem 6 (Psy)	*Psychology IV* (Psychological Testing and Statistics)	2361UATS	2.4		2.4	2.4		2.4	2.4									
	Psychology V (Abnormal Psychology)	2362UAAS	2.4		2.4	2.4	2.4	2.4	2.4	2.4								
	Psychology VI (Industrial Psychology)	2363UAIO	3.4		3.4	3.4	3.4	3.4	3.4	3.4								

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
	Psychology VIII (Practicals in Cognitive Processes and Psychological Testing)	2365UAPT	4		4	4	4	4	4	4								
	Psychology VII (Cognitive Psychology)	2364UACO	2.4		2.4	2.4		2.4	2.4									
	Community Psychology	2364UACM	*		*	*	*	*	*	*								
	Psychology IX (Counseling Psychology)	2366UACP	3.4		3.4	3.4	3.4	3.4	3.4	3.4								
	Psychology of Gender	2366UAPG	*		*	*	*	*	*	*								
Sem 5 (Geo)	Geography - IV Introduction to Geomorphology	2351UAGM	3.4		3.4										3.4	3.4		3.4
	Geography - VII Population Geography	2354UAPG	2.8		2.8										2.8	2.8		
	Geography - IX Geospatial Technology	2356UAGT	2.8		2.8	2.8									2.8		2.8	2.8

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 1	PSO 2	PSO 3	PSO 4	PSO 1	PSO 2	PSO 3	PSO 4
	Geography - VI Tools and Techniques in Geography for Spatial Analysis – I (Practical)	2353UASA	3.4		3.4	3.4									3.4		3.4	
	Geography - V Geography of Rural Settlement	2352UAGRS	2.4		2.4										2.4	2.4		
	Geography - V Regional Planning and Development	2352UARPD	*		*										*	*		
	Geography - V Geography of Health	2352UAGH	*		*		*								*	*		
	Geography - VIII Geography of Resources	2355UAGR	2.8		2.8										2.8	2.8		2.8
	Geography - VIII Political Geography	2355UAPLG	*		*										*	*		
Sem 6 (Geo)	Geography - IV Introduction to Climatology and Oceanography	2361UACLO	3.8		3.8										3.8			3.8

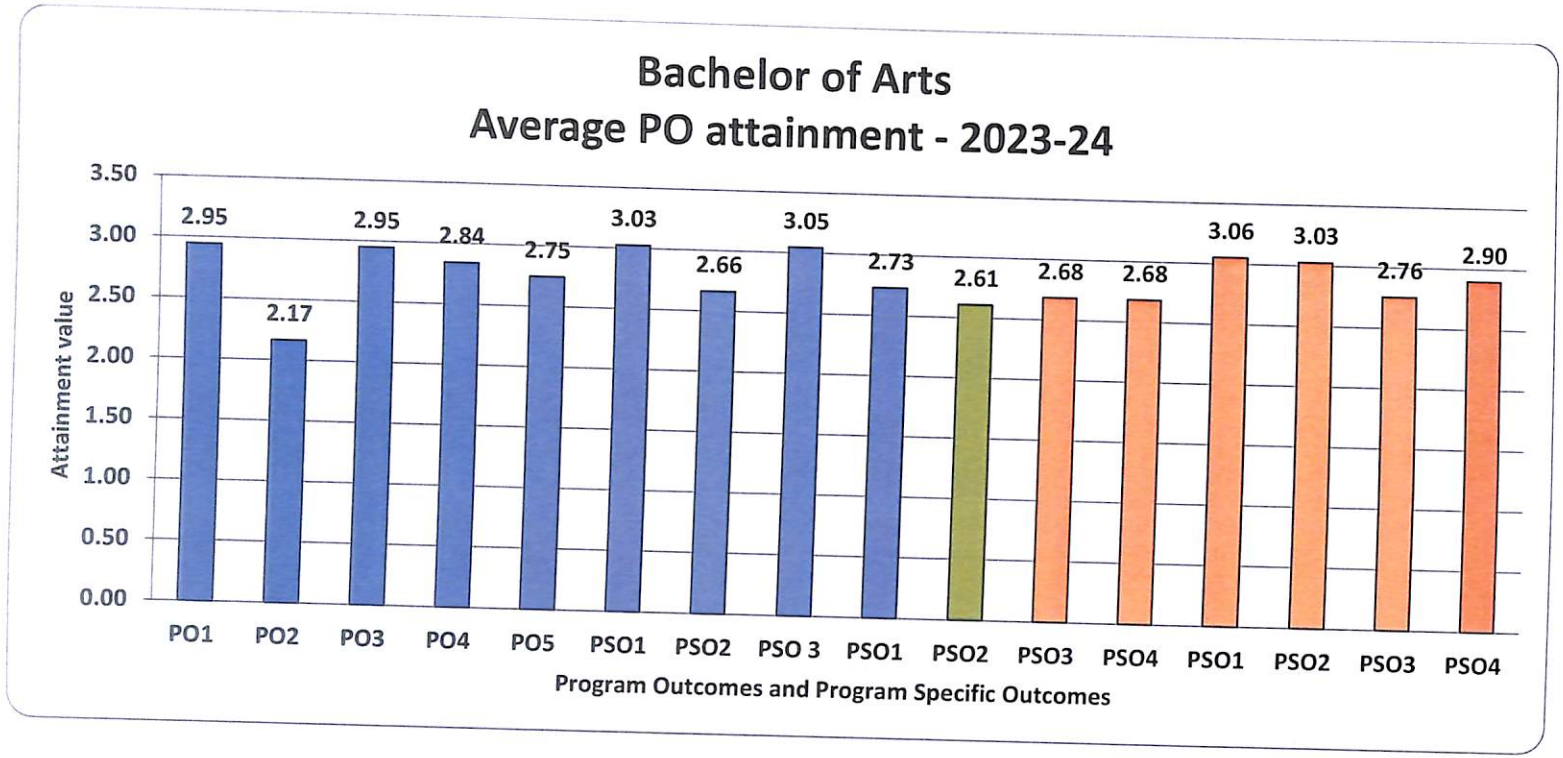
PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
	Geography - VII Economic Geography	2364UAEG	2.8		2.8										2.8	2.8		
	Geography - IX Research Methodology in Geography (Practical)	2366UARMG	2.8		2.8	2.8									2.8		2.8	
	Geography - VI Tools and Techniques in Geography for Spatial Analysis – II (Practical)	2363UASA	3.8		3.8	3.8									3.8		3.8	
	Geography - V (Geography of Urban Settlement)	2362UAGUS	2.8		2.8										2.8	2.8		
	Geography - V Geography of Transport	2362UAGTR	*		*										*	*		
	Geography - V Geography of Disaster Mitigation and Management	2362UAGDM	*		*		*								*	*		*
	Geography - VIII Biogeography	2365UABG	*		*										*	*		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (PSYCHOLOGY)			PROGRAMME SPECIFIC OUTCOMES (ECONOMICS)				PROGRAMME SPECIFIC OUTCOMES (GEOGRAPHY)			
Semester	**Course**	**Course Code**	**PO 1**	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**	**PSO 1**	**PSO 2**	**PSO 3**	**PSO 4**
	Geography - VIII Social and Cultural Geography	2365UASCG	3.4		3.4										3.4	3.4		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.



From above graph, it is observed that average PO attainment value for all program outcomes and program specific outcome is greater than 2.5. It means, PO attainment by corresponding courses is at Excellent level (value greater than 2.5).

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

ANNEXTURE UG SF1

Bachelor of Management Studies (BMS):

Table No. UG SF1.1: PO CO Mapping Matrix: Bachelor of Management Studies (BMS):

Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	Finance Elective				Marketing Elective			
									PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Sem 1	PRINCIPLES OF MANAGEMENT	UMS 101 POM 23 MA	*		*	*										
	INTRODUCTION TO FINANCIAL ACCOUNTING	UMS 102 FA 23 MA	*	*	*			*								
	FOUNDATION OF HUMAN SKILLS	UMS 103 HS 23 O	*		*	*										
	BUSINESS STATISTICS	UMS 104 BS 23 O					*	*								
	BUSINESS LAW	UMS 105 BL 23 VS	*	*	*			*								
	FOUNDATION COURSE -I	UMS 106 FC 23 SC	*		*			*								
	BUSINESS COMMUNICATION	UMS 107 BC 23 A	*		*											
	ENVIRONMENTAL STUDIES-I	UMS 108 ES 23 V				*										
	INDIAN KNOWLEDGE SYSTEM	UMS 109 KS 23 K				*										
	CO-CURRICULAR ACTIVITY	UMS 110 CC 23 C				*										
Sem 2	PRINCIPLES OF MARKETING	UMS 201 PM 23 MA	*			*	*									
	BUSINESS ENVIRONMENT	UMS 202 BV 23 MA		*		*										
	BUSINESS ECONOMICS I	UMS 203 BE 23 MI			*											

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	PRINCIPLES AND PRACTICES OF BANKING AND INSURANCE	UMS 204 PPBI 23 O	*				*										
	BUSINESS MATHEMATICS	UMS 205 BM 23 O			*		*										
	INDUSTRIAL LAW	UMS 206 IL 23 VS	*	*	*												
	FOUNDATION COURSE -II	UMS 207 FC 23 SC	*		*												
	BUSINESS COMMUNICATION II	UMS 208 BC 23 A	*		*												
	ENVIRONMENTAL STUDIES II	UMS 209 ES 23 V				*											
	CO-CURRICULAR ACTIVITY	UMS 210 CC 23 C				*											
Sem 3	PERSONAL EFFECTIVENESS MANAGEMENT	2231UMSPEM	*		*	*		*									
	BUSINESS PLANNING AND ENTREPRENEURSHIP MANAGEMENT	2232UMSBEM	*	*	*	*	*	*									
	ACCOUNTING FOR MANAGERIAL DECISIONS	2233UMSAMD	*	*			*	*									
	STRATEGIC MANAGEMENT	2234UMSSM	*	*		*	*	*									
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT – I	2235UMSITB	*	*	*			*									
	EQUITY AND DEBT MARKET	2236UMSEDM							*	*	*	*					
	CORPORATE FINANCE	2237UMSCF							*	*	*	*					
	BASICS OF FINANCIAL SERVICES	2238UMSBFS							*		*	*					

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	INTRODUCTION TO COST ACCOUNTING	2239UMSICA							*	*	*					
	CONSUMER BEHAVIOUR	2236UMSCB											*	*	*	*
	PRODUCT INNOVATIONS MANAGEMENT	2237UMSPIM											*	*	*	*
	ADVERTISING	2238UMSAD											*	*	*	*
	SOCIAL MARKETING	2239UMSSM											*	*	*	*
Sem 4	BUSINESS ECONOMICS- II	2241UMSBE	*	*			*	*								
	BUSINESS RESEARCH METHODS	2242UMSBRM	*	*	*	*	*	*								
	CHANGE MANAGEMENT	2243UMSCM	*	*	*	*	*									
	PRODUCTION & TOTAL QUALITY MANAGEMENT	2244UMSPQM	*	*			*									
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT- II	2245UMSIBM	*	*	*			*								
	STRATEGIC COST MANAGEMENT	2246UMSSCM							*	*	*	*				
	CORPORATE RESTRUCTURING	2247UMSCR							*	*	*	*				
	FINANCIAL INSTITUTIONS & MARKETS	2246UMSFIM							*	*	*	*				
	AUDITING	2246UMSA							*	*	*					
	INTEGRATED MARKETING COMMUNICATION	2246UMSIMC											*	*	*	*
	EVENT MARKETING	2247UMSEM											*		*	*
	RURAL MARKETING	2247UMSRM											*	*	*	*
	TOURISM MARKETING	2247UMSTM											*	*		*
Sem 5	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	2351UMSLSM	*	*	*		*									

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	ANALYTICAL SKILLS FOR MANAGERS	2352UMSASM	*	*			*	*								
	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT	2354UMSIPM							*	*	*	*				
	WEALTH MANAGEMENT	2355UMSWM							*	*	*	*				
	DIRECT TAXES	2356UMSDT							*	*	*	*				
	COMMODITY AND DERIVATIVES MARKET	2357UMSCDM							*	*	*	*				
	FINANCIAL ACCOUNTING	2358UMSFA							*	*	*	*				
	RISK MANAGEMENT	2358UMSRM							*	*		*				
	SERVICE MARKETING	2354UMSSM											*	*	*	*
	E-COMMERCE AND DIGITAL MARKETING	2355UMSEDM											*	*		*
	SALES AND DISTRIBUTION MANAGEMENT	2356UMSSDM											*	*	*	*
	CUSTOMER RELATIONSHIP MANAGEMENT	2357UMSCRM											*	*	*	*
	INDUSTRIAL MARKETING	2358UMSIM											*	*		*
	STRATEGIC MARKETING MANAGEMENT	2358UMSSMM											*	*	*	*
Sem 6	OPERATION RESEARCH	2361UMSOR	*	*	*		*	*								
	RESEARCH BASED PROJECT WORK	2362UMSRPW	*	*	*	*	*	*								
	INTERNATIONAL FINANCE	2363UMSIF							*	*	*	*				
	INNOVATIVE FINANCIAL SERVICES	2364UMSIFS							*	*		*				
	PROJECT MANAGEMENT	2365UMSPM							*	*	*	*				
	INDIRECT TAXES	2366UMSIDT							*	*		*				
	STRATEGIC FINANCIAL MANAGEMENT	2367UMSSFM							*	*	*	*				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	FINANCING RURAL DEVELOPMENT	2367UMSFRD							*		*	*				
	BRAND MANAGEMENT	2363UMSBM											*	*	*	*
	RETAIL MANAGEMENT	2364UMSRM											*	*	*	*
	SPORTS MARKETING	2365UMSSM												*	*	*
	MEDIA PLANNING AND MANAGEMENT	2366UMSMPM											*	*	*	*
	INTERNATIONAL MARKETING	2367UMSIM											*		*	*
	MARKETING FOR NON-PROFIT ORGANIZATION	2367UMSMNO												*	*	*

Table No. UG SF1.2: CO Attainment Level: Bachelor of Management Studies (BMS)

Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	PRINCIPLES OF MANAGEMENT	UMS 101 POM 23 MA	2.5	2	Fully Attained	NA
	INTRODUCTION TO FINANCIAL ACCOUNTING	UMS 102 FA 23 MA	2.5	2	Fully Attained	NA
	FOUNDATION OF HUMAN SKILLS	UMS 103 HS 23 O	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	BUSINESS STATISTICS	UMS 104 BS 23 O	1.5	2		
	BUSINESS LAW	UMS 105 BL 23 VS	1.75	2		
	FOUNDATION COURSE -I	UMS 106 FC 23 SC	1.75	2		
	BUSINESS COMMUNICATION	UMS 107 BC 23 A	1.5	2		
	ENVIRONMENTAL STUDIES-I	UMS 108 ES 23 V	2.25	2	Fully Attained	NA
	INDIAN KNOWLEDGE SYSTEM	UMS 109 KS 23 K	2.5	2	Fully Attained	NA
	CO-CURRICULAR ACTIVITY	UMS 110 CC 23 C	2	2	Fully Attained	NA
II	PRINCIPLES OF MARKETING	UMS 201 PM 23 MA	3.5	2	Fully Attained	NA
	BUSINESS ENVIRONMENT	UMS 202 BV 23 MA	3	2	Fully Attained	NA
	BUSINESS ECONOMICS I	UMS 203 BE 23 MI	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial
	PRINCIPLES AND PRACTICES OF BANKING AND INSURANCE	UMS 204 PPBI 23 O	1.5	2		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	BUSINESS MATHEMATICS	UMS 205 BM 23 O	1	2		coaching shall be planned.
	INDUSTRIAL LAW	UMS 206 IL 23 VS	2.25	2	Fully Attained	NA
	FOUNDATION COURSE -II	UMS 207 FC 23 SC	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	BUSINESS COMMUNICATION II	UMS 208 BC 23 A	1.75	2		
	ENVIRONMENTAL STUDIES II	UMS 209 ES 23 V	1.75	2		
	CO-CURRICULAR ACTIVITY	UMS 210 CC 23 C	1.5	2		
III	PERSONAL EFFECTIVENESS MANAGEMENT	2231UMSPEM	2.4	2	Fully Attained	NA
	BUSINESS PLANNING AND ENTREPRENEURSHIP MANAGEMENT	2232UMSBEM	3.4	2	Fully Attained	NA
	ACCOUNTING FOR MANAGERIAL DECISIONS	2233UMSAMD	2.8	2	Fully Attained	NA
	STRATEGIC MANAGEMENT	2234UMSSM	3	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT – I	2235UMSITB	3	2	Fully Attained	NA
	EQUITY AND DEBT MARKET	2236UMSEDM	3.8	2	Fully Attained	NA
	CORPORATE FINANCE	2237UMSCF	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	BASICS OF FINANCIAL SERVICES	2238UMSBFS	NA	NA	NA	NA
	INTRODUCTION TO COST ACCOUNTING	2239UMSICA	NA	NA	NA	NA
	CONSUMER BEHAVIOUR	2236UMSCB	3.4	2	Fully Attained	NA
	PRODUCT INNOVATIONS MANAGEMENT	2237UMSPIM	3	2	Fully Attained	NA
	ADVERTISING	2238UMSAD	NA	NA	NA	NA
	SOCIAL MARKETING	2239UMSSM	NA	NA	NA	NA
IV	BUSINESS ECONOMICS- II	2241UMSBE	2.4	2	Fully Attained	NA
	BUSINESS RESEARCH METHODS	2242UMSBRM	3.4	2	Fully Attained	NA
	CHANGE MANAGEMENT	2243UMSCM	3.4	2	Fully Attained	NA
	PRODUCTION & TOTAL QUALITY MANAGEMENT	2244UMSPQM	3.4	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT- II	2245UMSIBM	2.4	2	Fully Attained	NA
	STRATEGIC COST MANAGEMENT	2246UMSSCM	2.6	2	Fully Attained	NA
	CORPORATE RESTRUCTURING	2247UMSCR	3	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	FINANCIAL INSTITUTIONS & MARKETS	2246UMSFIM	NA	NA	NA	NA
	AUDITING	2246UMSA	NA	NA	NA	NA
	INTEGRATED MARKETING COMMUNICATION	2246UMSIMC	3	2	Fully Attained	NA
	EVENT MARKETING	2247UMSEM	2.6	2	Fully Attained	NA
	RURAL MARKETING	2247UMSRM	NA	NA	NA	NA
	TOURISM MARKETING	2247UMSTM	NA	NA	NA	NA
V	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	2351UMSLSM	3.4	2	Fully Attained	NA
	ANALYTICAL SKILLS FOR MANAGERS	2352UMSASM	3	2	Fully Attained	NA
	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT	2354UMSIPM	3	2	Fully Attained	NA
	WEALTH MANAGEMENT	2355UMSWM	2.8	2	Fully Attained	NA
	DIRECT TAXES	2356UMSDT	3.8	2	Fully Attained	NA
	COMMODITY AND DERIVATIVES MARKET	2357UMSCDM	3	2	Fully Attained	NA
	FINANCIAL ACCOUNTING	2358UMSFA	NA	NA	NA	NA
	RISK MANAGEMENT	2358UMSRM	NA	NA	NA	NA
	SERVICE MARKETING	2354UMSSM	2.8	2	Fully Attained	NA
	E-COMMERCE AND DIGITAL MARKETING	2355UMSEDM	2.4	2	Fully Attained	NA
	SALES AND DISTRIBUTION MANAGEMENT	2356UMSSDM	2.6	2	Fully Attained	NA
	CUSTOMER RELATIONSHIP MANAGEMENT	2357UMSCRM	3.4	2	Fully Attained	NA
	INDUSTRIAL MARKETING	2358UMSIM	NA	NA	NA	NA
	STRATEGIC MARKETING MANAGEMENT	2358UMSSMM	NA	NA	NA	NA
VI	OPERATION RESEARCH	2361UMSOR	2.8	2	Fully Attained	NA
	RESEARCH BASED PROJECT WORK	2362UMSRPW	4	2	Fully Attained	NA
	INTERNATIONAL FINANCE	2363UMSIF	2.8	2	Fully Attained	NA
	INNOVATIVE FINANCIAL SERVICES	2364UMSIFS	2.6	2	Fully Attained	NA
	PROJECT MANAGEMENT	2365UMSPM	2.8	2	Fully Attained	NA
	INDIRECT TAXES	2366UMSIDT	3.4	2	Fully Attained	NA
	STRATEGIC FINANCIAL MANAGEMENT	2367UMSSFM	NA	NA	NA	NA
	FINANCING RURAL DEVELOPMENT	2367UMSFRD	NA	NA	NA	NA
	BRAND MANAGEMENT	2363UMSBM	3	2	Fully Attained	NA
	RETAIL MANAGEMENT	2364UMSRM	3.4	2	Fully Attained	NA
	SPORTS MARKETING	2365UMSSM	3	2	Fully Attained	NA
	MEDIA PLANNING AND MANAGEMENT	2366UMSMPM	3	2	Fully Attained	NA
	INTERNATIONAL MARKETING	2367UMSIM	NA	NA	NA	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	MARKETING FOR NON- PROFIT ORGANIZATION	2367UMSMNO	NA	NA	NA	NA
		Average	**2.64**	**2**		
NA: Not Applicable as target level is fully attained. Also in some cases course is offered by institution but not opted by students.						

Table No. UG SF1.2a: PO Attainment Level- Bachelor of Management Studies (BMS)-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	**5**	4	Fully Attained	NA
A2023-24	5	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than target level-4. Hence at present no plans are required.

Table No. UG SF1.3: Results of CO-PO attainment-Bachelor of Management Studies (BMS)
Academic Year 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	Finance Elective	Marketing Elective

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

									PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
Sem 1	PRINCIPLES OF MANAGEMENT	UMS 101 POM 23 MA	2.5		2.5	2.5										
	INTRODUCTION TO FINANCIAL ACCOUNTING	UMS 102 FA 23 MA	2.5	2.5	2.5			2.5								
	FOUNDATION OF HUMAN SKILLS	UMS 103 HS 23 O	1.75		1.75	1.75										
	BUSINESS STATISTICS	UMS 104 BS 23 O					1.5	1.5								
	BUSINESS LAW	UMS 105 BL 23 VS	1.75	1.75	1.75			1.75								
	FOUNDATION COURSE -I	UMS 106 FC 23 SC	1.75		1.75			1.75								
	BUSINESS COMMUNICATION	UMS 107 BC 23 A	1.5		1.5											
	ENVIRONMENTAL STUDIES-I	UMS 108 ES 23 V				2.25										
	INDIAN KNOWLEDGE SYSTEM	UMS 109 KS 23 K				2.5										
	CO-CURRICULAR ACTIVITY	UMS 110 CC 23 C				2										
Sem 2	PRINCIPLES OF MARKETING	UMS 201 PM 23 MA	3.5			3.5	3.5									
	BUSINESS ENVIRONMENT	UMS 202 BV 23 MA		3		3										
	BUSINESS ECONOMICS I	UMS 203 BE 23 MI			1.75											
	PRINCIPLES AND PRACTICES OF BANKING AND INSURANCE	UMS 204 PPBI 23 O	1.5				1.5									
	BUSINESS MATHEMATICS	UMS 205 BM 23 O			1		1									
	INDUSTRIAL LAW	UMS 206 IL 23 VS	2.25	2.25	2.25											
	FOUNDATION COURSE -II	UMS 207 FC 23 SC	1.5		1.5											
	BUSINESS COMMUNICATION II	UMS 208 BC 23 A	1.75		1.75											
	ENVIRONMENTAL STUDIES II	UMS 209 ES 23 V				1.75										
	CO-CURRICULAR ACTIVITY	UMS 210 CC 23 C				1.5										
Sem 3	PERSONAL EFFECTIVENESS MANAGEMENT	2231UMSPEM	2.4		2.4	2.4		2.4								
	BUSINESS PLANNING AND ENTREPRENEURSHIP MANAGEMENT	2232UMSBEM	3.4	3.4	3.4	3.4	3.4	3.4								
	ACCOUNTING FOR MANAGERIAL DECISIONS	2233UMSAMD	2.8	2.8			2.8	2.8								
	STRATEGIC MANAGEMENT	2234UMSSM	3	3		3	3	3								
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT – I	2235UMSITB	3	3	3			3								

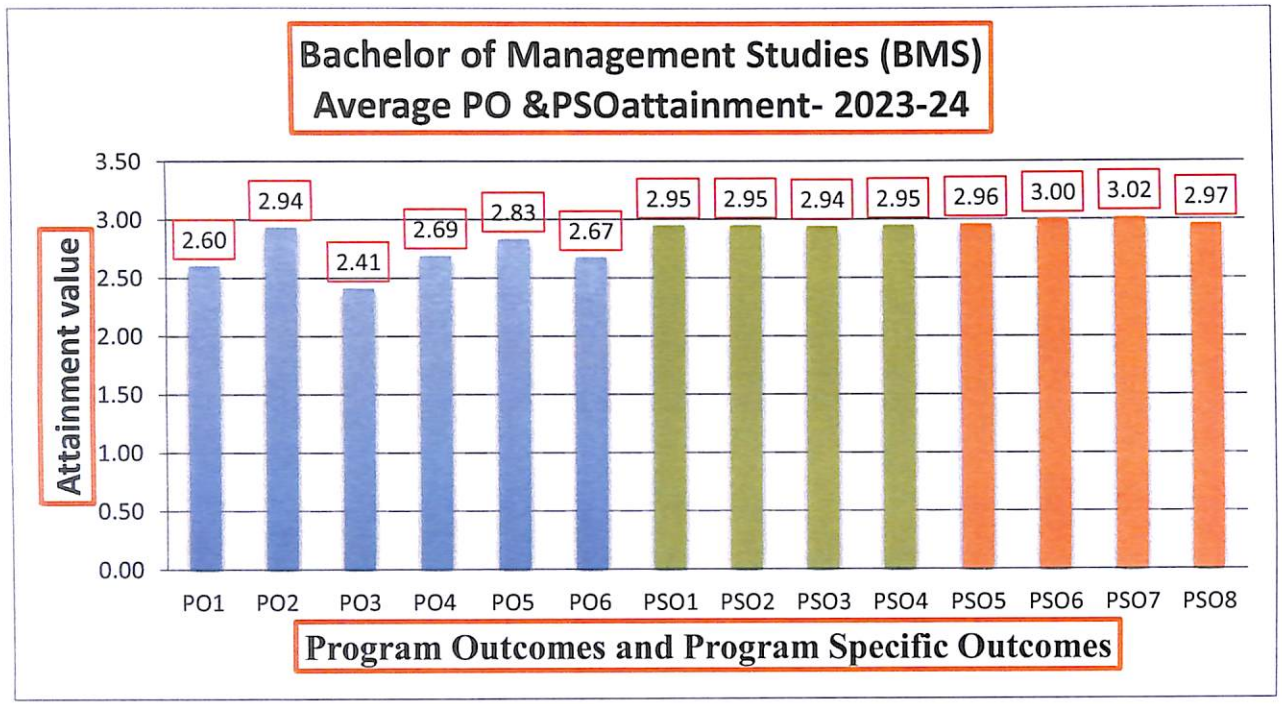
PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	EQUITY AND DEBT MARKET	2236UMSEDM							3.8	3.8	3.8	3.8				
	CORPORATE FINANCE	2237UMSCF							1.8	1.8	1.8	1.8				
	BASICS OF FINANCIAL SERVICES	2238UMSBFS							NA		NA	NA				
	INTRODUCTION TO COST ACCOUNTING	2239UMSICA							NA	NA	NA					
	CONSUMER BEHAVIOUR	2236UMSCB											3.4	3.4	3.4	3.4
	PRODUCT INNOVATIONS MANAGEMENT	2237UMSPIM											3	3	3	3
	ADVERTISING	2238UMSAD											NA	NA	NA	NA
	SOCIAL MARKETING	2239UMSSM											NA	NA	NA	NA
Sem 4	BUSINESS ECONOMICS- II	2241UMSBE	2.4	2.4			2.4	2.4								
	BUSINESS RESEARCH METHODS	2242UMSBRM	3.4	3.4	3.4	3.4	3.4	3.4								
	CHANGE MANAGEMENT	2243UMSCM	3.4	3.4	3.4	3.4	3.4									
	PRODUCTION & TOTAL QUALITY MANAGEMENT	2244UMSPQM	3.4	3.4			3.4									
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT-II	2245UMSIBM	2.4	2.4	2.4			2.4								
	STRATEGIC COST MANAGEMENT	2246UMSSCM							2.6	2.6	2.6	2.6				
	CORPORATE RESTRUCTURING	2247UMSCR							3	3	3	3				
	FINANCIAL INSTITUTIONS & MARKETS	2246UMSFIM							NA	NA	NA	NA				
	AUDITING	2246UMSA							NA	NA	NA					
	INTEGRATED MARKETING COMMUNICATION	2246UMSIMC											3	3	3	3
	EVENT MARKETING	2247UMSEM											2.6		2.6	2.6
	RURAL MARKETING	2247UMSRM											NA	NA	NA	NA
	TOURISM MARKETING	2247UMSTM											NA	NA		NA
Sem 5	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	2351UMSLSM	3.4	3.4	3.4		3.4									
	ANALYTICAL SKILLS FOR MANAGERS	2352UMSASM	3	3			3	3								
	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT	2354UMSIPM							3	3	3	3				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	WEALTH MANAGEMENT	2355UMSWM							2.8	2.8	2.8	2.8				
	DIRECT TAXES	2356UMSDT							3.8	3.8	3.8	3.8				
	COMMODITY MARKET AND DERIVATIVES	2357UMSCDM							3	3	3	3				
	FINANCIAL ACCOUNTING	2358UMSFA							NA	NA	NA	NA				
	RISK MANAGEMENT	2358UMSRM							NA	NA		NA				
	SERVICE MARKETING	2354UMSSM											2.8	2.8	2.8	2.8
	E-COMMERCE AND DIGITAL MARKETING	2355UMSEDM											2.4	2.4		2.4
	SALES AND DISTRIBUTION MANAGEMENT	2356UMSSDM											2.6	2.6	2.6	2.6
	CUSTOMER RELATIONSHIP MANAGEMENT	2357UMSCRM											3.4	3.4	3.4	3.4
	INDUSTRIAL MARKETING	2358UMSIM											NA	NA		NA
	STRATEGIC MARKETING MANAGEMENT	2358UMSSMM											NA	NA	NA	NA
Sem 6	OPERATION RESEARCH	2361UMSOR	2.8	2.8	2.8		2.8	2.8								
	RESEARCH BASED PROJECT WORK	2362UMSRPW	4	4	4	4	4	4								
	INTERNATIONAL FINANCE	2363UMSIF							2.8	2.8	2.8	2.8				
	INNOVATIVE FINANCIAL SERVICES	2364UMSIFS							2.6	2.6		2.6				
	PROJECT MANAGEMENT	2365UMSPM							2.8	2.8	2.8	2.8				
	INDIRECT TAXES	2366UMSIDT							3.4	3.4		3.4				
	STRATEGIC FINANCIAL MANAGEMENT	2367UMSSFM							NA	NA	NA	NA				
	FINANCING RURAL DEVELOPMENT	2367UMSFRD							NA		NA	NA				
	BRAND MANAGEMENT	2363UMSBM											3	3	3	3
	RETAIL MANAGEMENT	2364UMSRM											3.4	3.4	3.4	3.4
	SPORTS MARKETING	2365UMSSM												3	3	3
	MEDIA PLANNING AND MANAGEMENT	2366UMSMPM											3	3	3	3
	INTERNATIONAL MARKETING	2367UMSIM											NA		NA	NA
	MARKETING FOR NON- PROFIT ORGANIZATION	2367UMSMNO												NA	NA	NA
		AVERAGE	**2.60**	**2.94**	**2.41**	**2.69**	**2.83**	**2.67**	**2.95**	**2.95**	**2.94**	**2.95**	**2.96**	**3.00**	**3.00**	**2.97**

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.



From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (value greater than 2.5).

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

ANNEXURE UG SF2

Bachelor of Commerce (Accounting and Finance) - B.Com. (Accounting and Finance)(BAF):

Table No. UG SF2.1: PO CO Mapping Matrix: B.Com. (Accounting and Finance)(BAF) Academic Year – 2023-24

Semester	SUBJECT	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
Sem. 1	FINANCIAL ACCOUNTING – I (ELEMENTS OF FINANCIAL ACCOUNTING)	UAF 101 FA 23 MA	*		*	*		*
	COMMERCE (BUSINESS ENVIRONMENT) – I	UAF 102 CO 23 MA	*		*	*		*
	BUSINESS MATHEMATICS	UAF 103 BM 23 O	*				*	
	BUSINESS LAW – I	UAF 104 BL 23 O		*	*	*	*	*
	INFORMATION TECHNOLOGY IN ACCOUNTING & FINANCE – I	UAF 105 IT 23 VS		*	*			*
	FOUNDATION COURSE – I	UAF 106 FC 23 SC			*	*	*	*
	BUSINESS COMMUNICATION I	UAF 107 BC 23 A		*		*		*
	ENVIRONMENTAL STUDIES-I	UAF 108 ES 23 V	*			*	*	*
	INDIAN KNOWLEDGE SYSTEM	UAF 109 KS 23 K	*				*	*
	CO-CURRICULAR COURSES	UAF 110 CC 23 C		*	*		*	*
Sem. 2	FINANCIAL ACCOUNTING – II (SPECIAL ACCOUNTING AREA)	UAF 201 FA 23 MA	*		*	*		*
	FINANCIAL MANAGEMENT – I	UAF 202 FM 23 MA	*		*	*		*
	BUSINESS ECONOMICS – I	UAF 203 BE 23 MI	*		*	*		*
	BUSINESS STATISTICS	UAF 204 BS 23 O	*			*		*
	AUDITING – I (INTRODUCTION & PLANNING)	UAF 205 AU 23 O	*		*			*
	INFORMATION TECHNOLOGY IN ACCOUNTING & FINANCE – II	UAF 206 IT 23 VS		*		*		*
	FOUNDATION COURSE – II (BUSINESS CONVENTIONS)	UAF 207 FC 23 SC			*	*	*	*
	BUSINESS COMMUNICATION II/ HINDI/ MARATHI/ GUJARATI/ SANSKRIT/ FRENCH	UAF 208 BC 23 A		*		*		*
	ENVIRONMENTAL STUDIES- II	UAF 209 ES 23 V	*			*	*	*
	CO-CURRICULAR COURSES	UAF 210 CC 23 C		*	*		*	*
Sem. 3	BUSINESS ECONOMICS - II	2231UAFBE	*	*		*	*	
	FOUNDATION COURSE IN MANAGEMENT - III (INTRODUCTION TO MANAGEMENT)	2232UAFFC	*	*		*	*	*
	TAXATION - I (INDIRECT TAXES - I)	2233UAFIDT	*	*	*	*	*	*
	AUDITING - II (TECHNIQUES OF AUDITING AND AUDIT PROCEDURES)	2234UAFAU	*	*	*	*	*	*
	BUSINESS LAW - II (BUSINESS REGULATORY FRAMEWORK)	2235UAFBL	*	*	*	*	*	

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	COST ACCOUNTING - I (INTRODUCTION AND ELEMENTS OF COST)	2236UAFCA	*		*	*		*
	FINANCIAL ACCOUNTING - III (SPECIAL ACCOUNTING AREAS)	2237UAFFA	*		*	*		*
Sem. 4	RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE	2241UAFRM	*	*		*	*	*
	FOUNDATION COURSE IN COMMERCE - IV (INDIAN FINANCIAL SYSTEM)	2242UAFFC	*	*	*	*		*
	MANAGEMENT ACCOUNTING (INTRODUCTION TO MANAGEMENT ACCOUNTING)	2243UAFMA	*		*	*	*	*
	TAXATION - II (INDIRECT TAXES - II)	2244UAFIDT	*	*	*	*	*	*
	BUSINESS LAW - III (THE COMPANIES ACT 2013)	2245UAFBL	*	*	*	*	*	
	COST ACCOUNTING - II (METHOD OF COSTING)	2246UAFCA			*	*		*
	FINANCIAL ACCOUNTING - IV (SPECIAL ACCOUNTING AREAS)	2247UAFFA	*		*	*		*
Sem. 5	FINANCIAL ACCOUNTING - V	2251UAFFA	*		*	*		*
	FINANCIAL ACCOUNTING - VI	2252UAFFA	*		*	*		*
	FINANCIAL MANAGEMENT - II	2253UAFFM	*	*	*	*	*	*
	COST ACCOUNTING - III	2254UAFCA	*		*	*		*
	TAXATION - III (DIRECT TAXES - I)	2255UAFDT	*	*	*	*	*	*
	MARKETING IN FINANCIAL SERVICES	2256UAFMS	*	*		*	*	*
Sem. 6	FINANCIAL ACCOUNTING - VII	2261UAFFA	*		*	*		*
	INTERNSHIP BASED PROJECT WORK	2262UAFIP	*	*	*	*	*	*
	ECONOMICS - III (INDIAN ECONOMY)	2263UAFIE	*	*		*	*	*
	COST ACCOUNTING - IV	2264UAFCA	*		*	*		*
	TAXATION- IV (DIRECT TAXES - II)	2265UAFDT	*	*	*	*	*	*
	INTERNATIONAL FINANCE	2266UAFIF	*	*	*	*		*

Table No. UG SF2.2: CO Attainment Level - B.Com. (Accounting and Finance)(BAF)- Academic Year 2023-24

Semester	Course	Course code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	FINANCIAL ACCOUNTING – I (ELEMENTS OF FINANCIAL ACCOUNTING)	UAF 101 FA 23 MA	2	2	Fully Attained	NA
	COMMERCE (BUSINESS ENVIRONMENT) – I	UAF 102 CO 23 MA	3	2	Fully Attained	NA
	BUSINESS MATHEMATICS	UAF 103 BM 23 O	1.5	2	Not Attained	Assignments, tutorials,
	BUSINESS LAW – I	UAF 104 BL 23 O	1.25	2		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	INFORMATION TECHNOLOGY IN ACCOUNTING & FINANCE – I	UAF 105 IT 23 VS	1.75	2		exercises and remedial coaching shall be planned.
	FOUNDATION COURSE – I	UAF 106 FC 23 SC	1.5	2		
	BUSINESS COMMUNICATION I	UAF 107 BC 23 A	1.75	2		
	ENVIRONMENTAL STUDIES-I	UAF 108 ES 23 V	2.25	2	Fully Attained	NA
	INDIAN KNOWLEDGE SYSTEM	UAF 109 KS 23 K	1.25	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	CO-CURRICULAR COURSES	UAF 110 CC 23 C	2.17	2	Fully Attained	NA
II	FINANCIAL ACCOUNTING – II (SPECIAL ACCOUNTING AREA)	UAF 201 FA 23 MA	2	2	Fully Attained	NA
	FINANCIAL MANAGEMENT – I	UAF 202 FM 23 MA	3	2	Fully Attained	NA
	BUSINESS ECONOMICS – I	UAF 203 BE 23 MI	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	BUSINESS STATISTICS	UAF 204 BS 23 O	1.5	2		
	AUDITING – I (INTRODUCTION & PLANNING)	UAF 205 AU 23 O	1.5	2		
	INFORMATION TECHNOLOGY IN ACCOUNTING & FINANCE – II	UAF 206 IT 23 VS	2	2	Fully Attained	NA
	FOUNDATION COURSE – II (BUSINESS CONVENTIONS)	UAF 207 FC 23 SC	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	BUSINESS COMMUNICATION II/ HINDI/ MARATHI/ GUJARATI/ SANSKRIT/ FRENCH	UAF 208 BC 23 A	1.75	2		
	ENVIRONMENTAL STUDIES- II	UAF 209 ES 23 V	2.5	2	Fully Attained	NA
	CO-CURRICULAR COURSES	UAF 210 CC 23 C	2.17	2	Fully Attained	NA
III	BUSINESS ECONOMICS - II	2231UAFBE	2.8	2	Fully Attained	NA
	FOUNDATION COURSE IN MANAGEMENT - III	2232UAFFC	3	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	(INTRODUCTION TO MANAGEMENT)					
	TAXATION - I (INDIRECT TAXES - I)	2233UAFIDT	3	2	Fully Attained	NA
	AUDITING - II (TECHNIQUES OF AUDITING AND AUDIT PROCEDURES)	2234UAFAU	3.4	2	Fully Attained	NA
	BUSINESS LAW - II (BUSINESS REGULATORY FRAMEWORK)	2235UAFBL	2	2	Fully Attained	NA
	COST ACCOUNTING - I (INTRODUCTION AND ELEMENTS OF COST)	2236UAFCA	2.8	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - III (SPECIAL ACCOUNTING AREAS)	2237UAFFA	2.4	2	Fully Attained	NA
IV	RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE	2241UAFRM	2.8	2	Fully Attained	NA
	FOUNDATION COURSE IN COMMERCE - IV (INDIAN FINANCIAL SYSTEM)	2242UAFFC	3	2	Fully Attained	NA
	MANAGEMENT ACCOUNTING (INTRODUCTION TO MANAGEMENT ACCOUNTING)	2243UAFMA	3	2	Fully Attained	NA
	TAXATION - II (INDIRECT TAXES - II)	2244UAFIDT	3.4	2	Fully Attained	NA
	BUSINESS LAW - III (THE COMPANIES ACT 2013)	2245UAFBL	2	2	Fully Attained	NA
	COST ACCOUNTING - II (METHOD OF COSTING)	2246UAFCA	2.8	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - IV (SPECIAL ACCOUNTING AREAS)	2247UAFFA	2.4	2	Fully Attained	NA
V	FINANCIAL ACCOUNTING - V	2251UAFFA	3.2	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - VI	2252UAFFA	2.8	2	Fully Attained	NA
	FINANCIAL MANAGEMENT - II	2253UAFFM	2.8	2	Fully Attained	NA
	COST ACCOUNTING - III	2254UAFCA	3.4	2	Fully Attained	NA
	TAXATION - III (DIRECT TAXES - I)	2255UAFDT	3.4	2	Fully Attained	NA
	MANAGEMENT - II (MARKETING OF SERVICES)	2256UAFMS	2.8	2	Fully Attained	NA
VI	FINANCIAL ACCOUNTING - VII	2261UAFFA	2.8	2	Fully Attained	NA

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MUMBAI - 400 064.

	INTERNSHIP BASED PROJECT WORK	2262UAFIP	4	2	Fully Attained	NA
	ECONOMICS - III (INDIAN ECONOMY)	2263UAFIE	3.4	2	Fully Attained	NA
	COST ACCOUNTING - IV	2264UAFCA	2.8	2	Fully Attained	NA
	TAXATION- IV (DIRECT TAXES - II)	2265UAFDT	3.4	2	Fully Attained	NA
	INTERNATIONAL FINANCE	2266UAFIF	2.4	2	Fully Attained	NA
		Average	**2.49**	**2**		
NA: Not Applicable as target level is fully attained.						

Table No.UG SF2.2a: PO Attainment Level- B.Com. (Accounting and Finance)(BAF)- Academic Year 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	5	4	Fully Attained	NA
A2023-24	4	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plan is required.

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(AUTONOMOUS)
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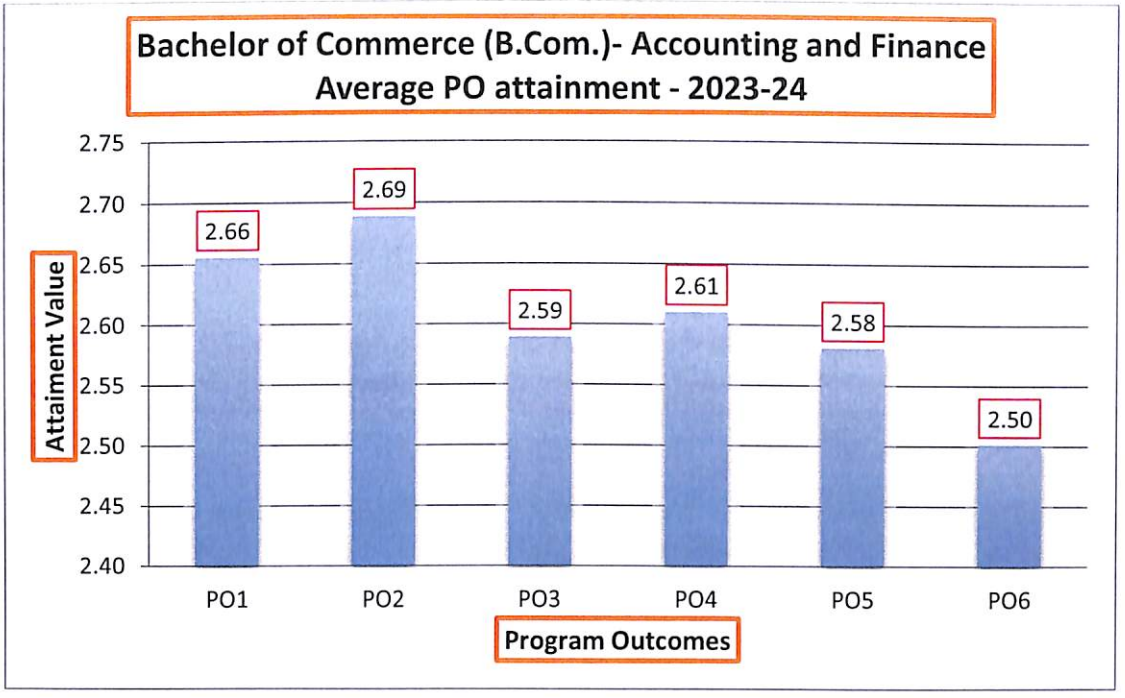
Table No. UG SF2.3: Results of CO-PO attainment- B.Com. (Accounting and Finance)(BAF)-
Academic Year 2023-24

Semester	SUBJECT	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
Sem. 1	FINANCIAL ACCOUNTING – I (ELEMENTS OF FINANCIAL ACCOUNTING)	UAF 101 FA 23 MA	2		2	2		2
	COMMERCE (BUSINESS ENVIRONMENT) – I	UAF 102 CO 23 MA	3		3	3		3
	BUSINESS MATHEMATICS	UAF 103 BM 23 O	1.5				1.5	
	BUSINESS LAW – I	UAF 104 BL 23 O		1.25	1.25	1.25	1.25	1.25
	INFORMATION TECHNOLOGY IN ACCOUNTING & FINANCE – I	UAF 105 IT 23 VS		1.75	1.75			1.75
	FOUNDATION COURSE – I	UAF 106 FC 23 SC			1.5	1.5	1.5	1.5
	BUSINESS COMMUNICATION I	UAF 107 BC 23 A		1.75		1.75		1.75
	ENVIRONMENTAL STUDIES-I	UAF 108 ES 23 V	2.25			2.25	2.25	2.25
	INDIAN KNOWLEDGE SYSTEM	UAF 109 KS 23 K	1.25				1.25	1.25
	CO-CURRICULAR COURSES	UAF 110 CC 23 C		2.17	2.17		2.17	2.17
Sem. 2	FINANCIAL ACCOUNTING – II (SPECIAL ACCOUNTING AREA)	UAF 201 FA 23 MA	2		2	2		2
	FINANCIAL MANAGEMENT – I	UAF 202 FM 23 MA	3		3	3		3
	BUSINESS ECONOMICS – I	UAF 203 BE 23 MI	1.75		1.75	1.75		1.75
	BUSINESS STATISTICS	UAF 204 BS 23 O	1.5			1.5		1.5
	AUDITING – I (INTRODUCTION & PLANNING)	UAF 205 AU 23 O	1.5		1.5			1.5
	INFORMATION TECHNOLOGY IN ACCOUNTING & FINANCE – II	UAF 206 IT 23 VS		2		2		2
	FOUNDATION COURSE – II (BUSINESS CONVENTIONS)	UAF 207 FC 23 SC			1.75	1.75	1.75	1.75
	BUSINESS COMMUNICATION II/ HINDI/ MARATHI/ GUJARATI/ SANSKRIT/ FRENCH	UAF 208 BC 23 A		1.75		1.75		1.75
	ENVIRONMENTAL STUDIES- II	UAF 209 ES 23 V	2.5			2.5	2.5	2.5
	CO-CURRICULAR COURSES	UAF 210 CC 23 C		2.17	2.17		2.17	2.17
Sem. 3	BUSINESS ECONOMICS - II	2231UAFBE	2.8	2.8		2.8	2.8	
	FOUNDATION COURSE IN MANAGEMENT - III (INTRODUCTION TO MANAGEMENT)	2232UAFFC	3	3		3	3	3
	TAXATION - I (INDIRECT TAXES - I)	2233UAFIDT	3	3	3	3	3	3
	AUDITING - II (TECHNIQUES OF AUDITING AND AUDIT PROCEDURES)	2234UAFAU	3.4	3.4	3.4	3.4	3.4	3.4
	BUSINESS LAW - II (BUSINESS REGULATORY FRAMEWORK)	2235UAFBL	2	2	2	2	2	
	COST ACCOUNTING - I (INTRODUCTION AND ELEMENTS OF COST)	2236UAFCA	2.8		2.8	2.8		2.8

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	FINANCIAL ACCOUNTING - III (SPECIAL ACCOUNTING AREAS)	2237UAFFA	2.4		2.4	2.4		2.4
Sem. 4	RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE	2241UAFRM	2.8	2.8		2.8	2.8	2.8
	FOUNDATION COURSE IN COMMERCE - IV (INDIAN FINANCIAL SYSTEM)	2242UAFFC	3	3.4	3.4	3.4		3.4
	MANAGEMENT ACCOUNTING (INTRODUCTION TO MANAGEMENT ACCOUNTING)	2243UAFMA	3		2.4	2.4	2.4	2.4
	TAXATION - II (INDIRECT TAXES - II)	2244UAFIDT	3.4	3	3	3	3	3
	BUSINESS LAW - III (THE COMPANIES ACT 2013)	2245UAFBL	2	3.4	3.4	3.4	3.4	
	COST ACCOUNTING - II (METHOD OF COSTING)	2246UAFCA	2.8		2.4	2.4		2.4
	FINANCIAL ACCOUNTING - IV (SPECIAL ACCOUNTING AREAS)	2247UAFFA	2.4		2.4	2.4		2.4
Sem. 5	FINANCIAL ACCOUNTING - V	2251UAFFA	3.2		3.2	3.2		3.2
	FINANCIAL ACCOUNTING - VI	2252UAFFA	2.8		2.8	2.8		2.8
	FINANCIAL MANAGEMENT - II	2253UAFFM	2.8	2.8	2.8	2.8	2.8	2.8
	COST ACCOUNTING - III	2254UAFCA	3.4		3.4	3.4		3.4
	TAXATION - III (DIRECT TAXES - I)	2255UAFDT	3.4	3.4	3.4	3.4	3.4	3.4
	MARKETING IN FINANCIAL SERVICES	2256UAFMS	2.8	2.8		2.8	2.8	2.8
Sem. 6	FINANCIAL ACCOUNTING - VII	2261UAFFA	2.8		2.8	2.8		2.8
	INTERNSHIP BASED PROJECT WORK	2262UAFIP	4	4	4	4	4	4
	ECONOMICS - III (INDIAN ECONOMY)	2263UAFIE	3.4	3.4		3.4	3.4	3.4
	COST ACCOUNTING - IV	2264UAFCA	2.8		2.8	2.8		2.8
	TAXATION- IV (DIRECT TAXES - II)	2265UAFDT	3.4	3.4	3.4	3.4	3.4	3.4
	INTERNATIONAL FINANCE	2266UAFIF	2.4	2.4	2.4	2.4		2.4
		AVERAGE	2.66	2.69	2.59	2.61	2.58	2.50

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From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (value greater than 2.5).

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ANNEXURE UG SF3

Bachelor of Commerce (Banking and Insurance) – B.Com. (Banking and Insurance) (BBI):

Table No. UG SF3.1: PO CO Mapping Matrix: B.Com. (Banking and Insurance) (BBI)

Academic Year - 2023-24

Semester	Course	Course Code	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6
Sem 1	FINANCIAL ACCOUNTING-I	UBI101FA23MA	*		*			
	ENVIRONMENT. & MGT. OF FINANCIAL SERVICES	UBI102EFS23MA	*					
	PRINCIPLES OF MANAGEMENT	UBI103POM23O	*					
	QUANTITATIVE METHODS-I	UBI104QM23O	*			*		
	BUSINESS LAW	UBI105BL23VS	*					
	FOUNDATION COURSE-I	UBI106FC23SC	*				*	*
	BUSINESS COMMUNICATION-I	UBI107BC23A		*			*	
	EVS-I	UBI108ES23V	*				*	*
	IKS	UBI109KS23K					*	*
	CO-CURRICULAR COURSES	UBI110CC23C					*	*
Sem 2	FINANCIAL ACCOUNTING-II	UBI201FA23MA	*					
	PRINCIPLES & PRACTICES OF BANKING & INSURANCE	UBI202PP23MA	*					
	BUSINESS .ECONOMICS-I	UBI203BE23MI	*					
	PRINCIPLES OF MARKETING	UBI204POM23O	*					
	QUANTITATIVE METHODS-II	UBI205QM23O				*		
	CORPORATE & SECURITIES LAW	UBI206CSL23VS	*					
	FOUNDATION COURSE-II	UBI207FC23SC	*				*	*
	BUSINESS COMMUNICATION-II	UBI208BC23A		*			*	
	EVS-II	UBI209ES23V					*	*
	CO-CURRICULAR COURSES	UBI210CC23C					*	*
Sem 3	FINANCIAL MARKETS	2231UBIFM	*			*		*
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE-I	2232UBIIT	*	*	*			*
	FINANCIAL MANAGEMENT - I	2233UBIFT	*		*	*		*
	MANAGEMENT ACCOUNTING	2234UBIMA	*		*			*
	DIRECT TAXATION	2235UBIDT	*		*			*
	RISK MANAGEMENT	2236UBIRM	*		*	*		
	FOUNDATION COURSE - III (HUMAN RESORUCE MANAGEMENT)	2237UBIFC	*	*			*	*
Sem 4	CORPORATE AND SECURITIES LAW	2241UBICL	*		*			*
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE -II	2242UBIIT	*	*		*		*

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)

	FINANCIAL MANAGEMENT -II	2243UBIFM	*		*	*		*
	COST ACCOUNTING	2244UBICA	*		*	*		
	BUSINESS ECONOMICS -II	2245UBIBE	*	*				*
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	2246UBICG	*	*			*	*
	FOUNDATION COURSE -IV (INTRODUCTION TO INTERNATIONAL BUSINESS)	2247UBIFC	*	*			*	*
Sem 5	INTERNATIONAL BANKING AND FINANCE	2251UBIIB	*	*				*
	RESEARCH METHODOLOGY	2252UBIRM	*		*	*		*
	ACTUARIAL ANALYSIS IN BANKING AND INSURANCE	2253UBIAA	*		*	*		
	FINANCIAL REPORTING AND ANALYSIS	2254UBIFRA	*		*		*	*
	AUDITING - I	2255UBIAD	*	*			*	
	FINANCIAL SERVICES MANAGEMENT	2256UBIFS	*	*				*
Sem 6	WEALTH MANAGEMENT	2261UBIWM	*		*			*
	INTERNSHIP BASED PROJECT WORK	2262UBIIP	*	*		*		*
	MARKETING IN BANKING AND INSURANCE	2263UBIMK	*	*				*
	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	2264UBISM	*		*	*		*
	AUDITING- II	2265UBIAD	*	*	*		*	
	BANKING ASPECTS IN BUSINESS	2266UBIBAB	*	*				*

Table No. UG SF3.2: CO Attainment Level: Bachelor of Commerce (Banking and Insurance)-BBI

Academic Year - 2023-24

Semester	Course	Course code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	FINANCIAL ACCOUNTING-I	UBI101FA23MA	2	2	Fully Attained	NA
	ENVIRONMENT. & MGT. OF FINANCIAL SERVICES	UBI102EFS23MA	2	2	Fully Attained	NA
	PRINCIPLES OF MANAGEMENT	UBI103POM23O	1.25	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	QUANTITATIVE METHODS-I	UBI104QM23O	1.25	2		
	BUSINESS LAW	UBI105BL23VS	1.25	2		
	FOUNDATION COURSE-I	UBI106FC23SC	2	2	Fully Attained	NA
	BUSINESS COMMUNICATION-I	UBI107BC23A	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial

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						coaching shall be planned.
	EVS-I	UBI108ES23V	2.5	2	Fully Attained	NA
	IKS	UBI109KS23K	2.25	2	Fully Attained	NA
	CO-CURRICULAR COURSES	UBI110CC23C	1.88	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
II	FINANCIAL ACCOUNTING-II	UBI201FA23 MA	3	2	Fully Attained	NA
	PRINCIPLES & PRACTICES OF BANKING & INSURANCE	UBI202PP23M A	2	2	Fully Attained	NA
	BUSINESS .ECONOMICS-I	UBI203BE23 MI	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	PRINCIPLES OF MARKETING	UBI204POM2 3O	1.5	2		
	QUANTITATIVE METHODS-II	UBI205QM23 O	1	2		
	CORPORATE & SECURITIES LAW	UBI206CSL23 VS	2	2	Fully Attained	NA
	FOUNDATION COURSE-II	UBI207FC23S C	2	2	Fully Attained	NA
	BUSINESS COMMUNICATION-II	UBI208BC23A	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	EVS-II	UBI209ES23V	1.75	2		
	CO-CURRICULAR COURSES	UBI210CC23C	1.75	2		
III	FINANCIAL MARKETS	2231UBIFM	2.8	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE-I	2232UBIIT	3.8	2	Fully Attained	NA
	FINANCIAL MANAGEMENT - I	2233UBIFT	3	2	Fully Attained	NA
	MANAGEMENT ACCOUNTING	2234UBIMA	2.4	2	Fully Attained	NA
	DIRECT TAXATION	2235UBIDT	2	2	Fully Attained	NA
	RISK MANAGEMENT	2236UBIRM	2.4	2	Fully Attained	NA
	FOUNDATION COURSE - III (HUMAN RESORUCE MANAGEMENT)	2237UBIFC	2.8	2	Fully Attained	NA
IV	CORPORATE AND SECURITIES LAW	2241UBICL	3.2	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE -II	2242UBIIT	3.4	2	Fully Attained	NA

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	FINANCIAL MANAGEMENT -II	2243UBIFM	2.4	2	Fully Attained	NA
	COST ACCOUNTING	2244UBICA	2	2	Fully Attained	NA
	BUSINESS ECONOMICS -II	2245UBIBE	2.8	2	Fully Attained	NA
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	2246UBICG	2.8	2	Fully Attained	NA
	FOUNDATION COURSE -IV (INTRODUCTION TO INTERNATIONAL BUSINESS)	2247UBIFC	3	2	Fully Attained	NA
V	INTERNATIONAL BANKING AND FINANCE	2251UBIIB	3	2	Fully Attained	NA
	RESEARCH METHODOLOGY	2252UBIRM	2.4	2	Fully Attained	NA
	ACTUARIAL ANALYSIS IN BANKING AND INSURANCE	2253UBIAA	2	2	Fully Attained	NA
	FINANCIAL REPORTING AND ANALYSIS	2254UBIFRA	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	AUDITING - I	2255UBIAD	2.4	2	Fully Attained	NA
	FINANCIAL SERVICES MANAGEMENT	2256UBIFS	2.4	2	Fully Attained	NA
VI	WEALTH MANAGEMENT	2261UBIWM	2	2	Fully Attained	NA
	INTERNSHIP BASED PROJECT WORK	2262UBIIP	3.6	2	Fully Attained	NA
	MARKETING IN BANKING AND INSURANCE	2263UBIMK	2.8	2	Fully Attained	NA
	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	2264UBISM	3	2	Fully Attained	NA
	AUDITING- II	2265UBIAD	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	BANKING ASPECTS IN BUSINESS	2266UBIBAB	2.4	2	Fully Attained	NA
		Average	**2.28**	2		

NA: Not Applicable as target level is fully attained.

Table No.UG SF3.2a: PO Attainment Level-B.Com (Banking and Insurance)-BBI-2023-24

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Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	**5**	4	Fully Attained	NA
A2023-24	5	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

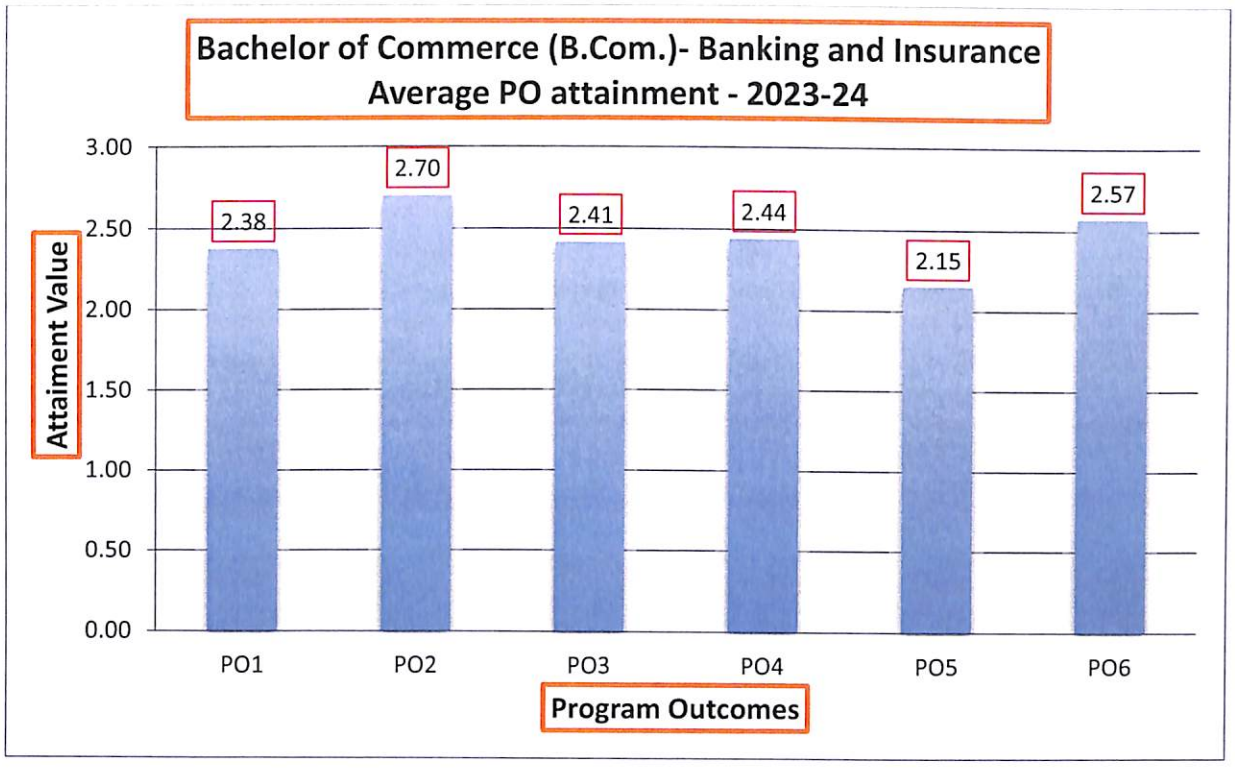
Table No. UG SF3.3: Results of CO-PO attainment-
Bachelor of Commerce (Banking and Insurance)(BBI)
Academic Year 2023-24

Semester	Course	Course Code	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6
Sem 1	FINANCIAL ACCOUNTING-I	UBI101FA23MA	2		2			
	ENVIRONMENT. & MGT. OF FINANCIAL SERVICES	UBI102EFS23MA	2					
	PRINCIPLES OF MANAGEMENT	UBI103POM23O	1.25					
	QUANTITATIVE METHODS-I	UBI104QM23O	1.25			1.25		
	BUSINESS LAW	UBI105BL23VS	1.25					
	FOUNDATION COURSE-I	UBI106FC23SC	2				2	2
	BUSINESS COMMUNICATION-I	UBI107BC23A		1.75			1.75	
	EVS-I	UBI108ES23V	2.5				2.5	2.5
	IKS	UBI109KS23K					2.25	2.25
	CO-CURRICULAR COURSES	UBI110CC23C					1.88	1.88
Sem 2	FINANCIAL ACCOUNTING-II	UBI201FA23MA	3					
	PRINCIPLES & PRACTICES OF BANKING & INSURANCE	UBI202PP23MA	2					
	BUSINESS .ECONOMICS-I	UBI203BE23MI	1.5					
	PRINCIPLES OF MARKETING	UBI204POM23O	1.5					
	QUANTITATIVE METHODS-II	UBI205QM23O				1		
	CORPORATE & SECURITIES LAW	UBI206CSL23VS	2					
	FOUNDATION COURSE-II	UBI207FC23SC	2				2	2

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	BUSINESS COMMUNICATION-II	UBI208BC23A		1.75			1.75	
	EVS-II	UBI209ES23V					1.75	1.75
	CO-CURRICULAR COURSES	UBI210CC23C					1.75	1.75
Sem 3	FINANCIAL MARKETS	2231UBIFM	2.8			2.8		2.8
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE-I	2232UBIIT	3.8	3.8	3.8			3.8
	FINANCIAL MANAGEMENT - I	2233UBIFT	3		3	3		3
	MANAGEMENT ACCOUNTING	2234UBIMA	2.4		2.4			2.4
	DIRECT TAXATION	2235UBIDT	2		2			2
	RISK MANAGEMENT	2236UBIRM	2.4		2.4	2.4		
	FOUNDATION COURSE - III (HUMAN RESORUCE MANAGEMENT)	2237UBIFC	2.8	2.8			2.8	2.8
Sem 4	CORPORATE AND SECURITIES LAW	2241UBICL	3.2		3.2			3.2
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE -II	2242UBIIT	3.4	3.4		3.4		3.4
	FINANCIAL MANAGEMENT -II	2243UBIFM	2.4		2.4	2.4		2.4
	COST ACCOUNTING	2244UBICA	2		2	2		
	BUSINESS ECONOMICS -II	2245UBIBE	2.8	2.8				2.8
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	2246UBICG	2.8	2.8			2.8	2.8
	FOUNDATION COURSE -IV (INTRODUCTION TO INTERNATIONAL BUSINESS)	2247UBIFC	3	3			3	3
Sem 5	INTERNATIONAL BANKING AND FINANCE	2251UBIIB	3	3				3
	RESEARCH METHODOLOGY	2252UBIRM	2.4		2.4	2.4		2.4
	ACTUARIAL ANALYSIS IN BANKING AND INSURANCE	2253UBIAA	2		2	2		
	FINANCIAL REPORTING AND ANALYSIS	2254UBIFRA	1.8		1.8		1.8	1.8
	AUDITING - I	2255UBIAD	2.4	2.4			2.4	
	FINANCIAL SERVICES MANAGEMENT	2256UBIFS	2.4	2.4				2.4
Sem 6	WEALTH MANAGEMENT	2261UBIWM	2		2			2
	INTERNSHIP BASED PROJECT WORK	2262UBIIP	3.6	3.6		3.6		3.6
	MARKETING IN BANKING AND INSURANCE	2263UBIMK	2.8	2.8				2.8
	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	2264UBISM	3		3	3		3
	AUDITING- II	2265UBIAD	1.8	1.8	1.8		1.8	
	BANKING ASPECTS IN BUSINESS	2266UBIBAB	2.4	2.4				2.4
		AVERAGE	**2.38**	**2.70**	**2.41**	**2.44**	**2.15**	**2.57**

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From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2.0. It means, PO attainment by corresponding courses is at Very good level (value greater than 2.0).

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(AUTONOMOUS)
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ANNEXTURE UG SF4

Bachelor of Commerce (Financial Markets) –

B.Com. (Financial Markets)(BFM):

Table No. UG SF4.1: PO CO Mapping Matrix: B.Com. (Financial Markets)(BFM)

Academic Year - 2023-24

Semester	Subject	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
Sem 1	INTRODUCTION TO FINANCIAL SYSTEM	UFM 101 IFS 23 MA	*	*				*
	FINANCIAL ACCOUNTING-I	UFM 102 FA 23 MA	*	*	*	*		*
	PRINCIPLES OF MANAGEMENT	UFM 103 POM 23 O		*	*	*	*	*
	BUSINESS MATHEMATICS	UFM 104 BM 23 O	*	*	*	*		*
	BUSINESS ENVIRONMENT	UFM 105 BE 23 VS	*	*	*		*	*
	FOUNDATION COURSE I	UFM 106 FC 23 SC		*	*		*	
	BUSINESS COMMUNICATION I	UFM 107 BC 23 A	*	*	*	*	*	*
	ENVIRONMENTAL STUDIES I	UFM 108 ES 23 V		*			*	
	INDIAN KNOWLEDGE SYSTEM	UFM 109 KS 23 K		*	*			*
	CO-CURRICULAR COURSES	UFM 110 CC 23 C		*	*		*	*
Sem 2	ACCOUNTING IN CORPORATE ENVIRONMENT	UFM 201 ACE 23 MA	*	*	*	*		*
	FINANCIAL ACCOUNTING-II	UFM 202 FA 23 MA	*	*	*	*		*
	BUSINESS ECONOMICS –I	UFM 203 BE 23 MI	*	*	*	*		*
	PRINCIPLES OF MARKETING	UFM 204 POM 23 O		*	*	*	*	*
	BUSINESS STATISTICS	UFM 205 BS 23 O	*	*	*	*		*
	COMPUTER SKILLS I	UFM 206 CS 23 VS		*	*			*
	FOUNDATION COURSE II (BUSINESS CONVENTIONS)	UFM 207 FC 23 SC		*	*		*	
	BUSINESS COMMUNICATION II	UFM 208 BC 23 A	*	*	*	*	*	*
	ENVIRONMENTAL STUDIES II	UFM 209 ES 23 V		*			*	
	CO-CURRICULAR COURSES	UFM 210 CC 23 C		*	*		*	*
Sem 3	MANAGEMENT ACCOUNTING	2231UFMMA	*	*	*	*		*
	FOUNDATION COURSE– III (MONEY MARKET)	2232UFMFC	*	*	*	*		*
	DEBT MARKET-I	2233UFMDM	*	*	*	*		*
	EQUITY MARKET-I	2234UFMEM	*	*	*	*		*
	COMMODITY MARKET	2235UFMCM	*	*	*			*

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	COMPUTER SKILLS-II	2236UFMCS	*	*	*	*		*
	BUSINESS LAW-I	2237UFMBL	*	*	*	*	*	*
Sem 4	CORPORATE FINANCE	2241UFMCF	*	*	*	*		*
	FOUNDATION COURSE – IV (FOREIGN EXCHANGE MARKET)	2242UFMFC	*	*	*	*		*
	DEBT MARKET-II	2243UFMDM	*	*	*	*		*
	EQUITY MARKET -II	2244UFMEM	*	*	*	*		*
	COMMODITY AND DERIVATIVE MARKET	2245UFMCD	*	*	*	*		*
	BUSINESS ECONOMICS-II	2246UFMBE	*	*	*	*		*
	BUSINESS LAW-II	2247UFMBL	*	*	*	*	*	*
Sem 5	FINANCIAL DERIVATIVES	2251UFMFD	*	*	*	*		*
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	2252UFMCG	*	*			*	*
	CORPORATE ACCOUNTING	2253UFMCA	*	*	*	*		*
	EQUITY RESEARCH	2254UFMER	*	*	*	*		*
	DIRECT TAX -INCOME TAX	2255UFMDT	*	*	*	*	*	*
	MARKETING IN FINANCIAL SERVICES	2256UFMFS	*	*	*	*		*
Sem 6	RISK MANAGEMENT	2261UFMRM	*	*	*	*		*
	INTERNSHIP BASED PROJECT WORK	2262UFMIP	*	*	*	*	*	*
	VENTURE CAPITAL AND PRIVATE EQUITY	2263UFMVC	*	*	*	*		*
	STRATEGIC CORPORATE FINANCE	2264UFMCF	*	*	*	*		*
	INDIRECT TAX-GST	2265UFMIT	*	*	*	*	*	*
	ORGANIZATIONAL BEHAVIOUR	2266UFMOB	*	*	*		*	*

Table No. UG SF4.2: CO Attainment Level: Bachelor of Commerce (Financial Markets)-BFM

Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	INTRODUCTION TO FINANCIAL SYSTEM	UFM 101 IFS 23 MA	2.5	2	Fully Attained	NA
	FINANCIAL ACCOUNTING- I	UFM 102 FA 23 MA	2.5	2	Fully Attained	NA
	PRINCIPLES OF MANAGEMENT	UFM 103 POM 23 O	1.25	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	BUSINESS MATHEMATICS	UFM 104 BM 23 O	1.25	2		
	BUSINESS ENVIRONMENT	UFM 105 BE 23 VS	1.75	2		
	FOUNDATION COURSE I	UFM 106 FC 23 SC	1.75	2		
	BUSINESS COMMUNICATION I	UFM 107 BC 23 A	1.5	2		

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	ENVIRONMENTAL STUDIES I	UFM 108 ES 23 V	2.5	2	Fully Attained	NA
	INDIAN KNOWLEDGE SYSTEM	UFM 109 KS 23 K	2.25	2	Fully Attained	NA
	CO-CURRICULAR COURSES	UFM 110 CC 23 C	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
II	ACCOUNTING IN CORPORATE ENVIRONMENT	UFM 201 ACE 23 MA	2.5	2	Fully Attained	NA
	FINANCIAL ACCOUNTING-II	UFM 202 FA 23 MA	3	2	Fully Attained	NA
	BUSINESS ECONOMICS –I	UFM 203 BE 23 MI	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	PRINCIPLES OF MARKETING	UFM 204 POM 23 O	1.5	2		
	BUSINESS STATISTICS	UFM 205 BS 23 O	1.75	2		
	COMPUTER SKILLS I	UFM 206 CS 23 VS	2	2	Fully Attained	NA
	FOUNDATION COURSE II (BUSINESS CONVENTIONS)	UFM 207 FC 23 SC	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	BUSINESS COMMUNICATION II	UFM 208 BC 23 A	2	2	Fully Attained	NA
	ENVIRONMENTAL STUDIES II	UFM 209 ES 23 V	2.25	2	Fully Attained	NA
III	MANAGEMENT ACCOUNTING	2231UFMMA	2.4	2	Fully Attained	NA
	FOUNDATION COURSE– III (MONEY MARKET)	2232UFMFC	3.4	2	Fully Attained	NA
	Tally Prime & Excel	2238UTPXL	2.4	NA	NA	NA
	DEBT MARKET-I	2234UFMDM	3.2	2	Fully Attained	NA
	EQUITY MARKET-I	2235UFMCM	3.2	2	Fully Attained	NA
	COMMODITY MARKET	2236UFMCS	3.2	2	Fully Attained	NA
	COMPUTER SKILLS-II	2237UFMBL	2.4	2	Fully Attained	NA
	BUSINESS LAW-I	2234UFMEM	2.4	2	Fully Attained	NA
IV	CORPORATE FINANCE	2241UFMCF	2.4	2	Not Attained	Assignments, Tutorials, exercises and Remedial

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

						Lectures are planned
	FOUNDATION COURSE – IV (FOREIGN EXCHANGE MARKET)	2242UFMFC	3	2	Fully Attained	NA
	DEBT MARKET-II	2243UFMDM	3.4	2	Fully Attained	NA
	EQUITY MARKET - II	2244UFMEM	2.8	2	Fully Attained	NA
	COMMODITY AND DERIVATIVE MARKET	2245UFMCD	2.4	2	Fully Attained	NA
	BUSINESS ECONOMICS-II	2246UFMBE	2.4	2	Fully Attained	NA
	BUSINESS LAW-II	2247UFMBL	3	2	Fully Attained	NA
V	FINANCIAL DERIVATIVES	2251UFMFD	2	2	Fully Attained	NA
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	2252UFMCG	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	CORPORATE ACCOUNTING	2253UFMCA	2.4	2	Fully Attained	NA
	EQUITY RESEARCH	2254UFMER	2.4	2	Fully Attained	NA
	DIRECT TAX - INCOME TAX	2255UFMDT	2.4	2	Fully Attained	NA
	MARKETING IN FINANCIAL SERVICES	2256UFMFS	2.4	2	Fully Attained	NA
VI	RISK MANAGEMENT	2261UFMRM	2.4	2	Fully Attained	NA
	INTERNSHIP BASED PROJECT WORK	2262UFMIP	3	2	Fully Attained	NA
	VENTURE CAPITAL AND PRIVATE EQUITY	2263UFMVC	2	2	Fully Attained	NA
	STRATEGIC CORPORATE FINANCE	2264UFMCF	3.6	2	Fully Attained	NA
	INDIRECT TAX-GST	2265UFMIT	2.4	2	Fully Attained	NA
	ORGANIZATIONAL BEHAVIOUR	2266UFMOB	2.4	2	Not Attained	Assignments, Tutorials, exercises and Remedial Lectures are planned
		Average	2.36	2		
NA: Not Applicable as target level is fully attained						

Table No.UG SF4.2a: PO Attainment Level- Bachelor of Financial Markets – BFM- 2023-24

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	5	4	Fully Attained	NA
A2023-24	4	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG SF4.3: Results of CO-PO attainment-Bachelor of Financial Markets (BFM)-Academic Year 2023-24

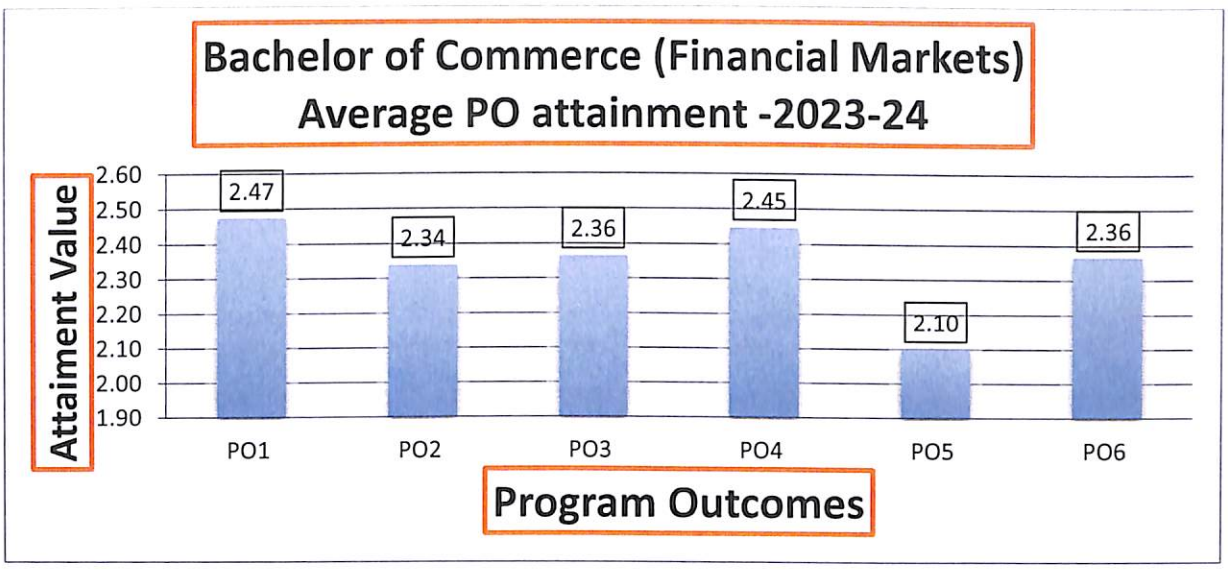
Semester	Subject	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
Sem 1	INTRODUCTION TO FINANCIAL SYSTEM	UFM 101 IFS 23 MA	2.5	2.5				2.5
	FINANCIAL ACCOUNTING-I	UFM 102 FA 23 MA	2.5	2.5	2.5	2.5		2.5
	PRINCIPLES OF MANAGEMENT	UFM 103 POM 23 O		1.25	1.25	1.25	1.25	1.25
	BUSINESS MATHEMATICS	UFM 104 BM 23 O	1.25	1.25	1.25	1.25		1.25
	BUSINESS ENVIRONMENT	UFM 105 BE 23 VS	1.75	1.75	1.75		1.75	1.75
	FOUNDATION COURSE I	UFM 106 FC 23 SC		1.75	1.75		1.75	
	BUSINESS COMMUNICATION I	UFM 107 BC 23 A	1.5	1.5	1.5	1.5	1.5	1.5
	ENVIRONMENTAL STUDIES I	UFM 108 ES 23 V		2.5			2.5	
	INDIAN KNOWLEDGE SYSTEM	UFM 109 KS 23 K		2.25	2.25			2.25
	CO-CURRICULAR COURSES	UFM 110 CC 23 C		1.75	1.75		1.75	1.75
Sem 2	ACCOUNTING IN CORPORATE ENVIRONMENT	UFM 201 ACE 23 MA	2.5	2.5	2.5	2.5		2.5
	FINANCIAL ACCOUNTING-II	UFM 202 FA 23 MA	3	3	3	3		3
	BUSINESS ECONOMICS –I	UFM 203 BE 23 MI	1.5	1.5	1.5	1.5		1.5
	PRINCIPLES OF MARKETING	UFM 204 POM 23 O		1.5	1.5	1.5	1.5	1.5
	BUSINESS STATISTICS	UFM 205 BS 23 O	1.75	1.75	1.75	1.75		1.75
	COMPUTER SKILLS I	UFM 206 CS 23 VS		2	2			2
	FOUNDATION COURSE II (BUSINESS CONVENTIONS)	UFM 207 FC 23 SC		1.75	1.75		1.75	

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	BUSINESS COMMUNICATION II	UFM 208 BC 23 A	2	2	2	2	2	2
	ENVIRONMENTAL STUDIES II	UFM 209 ES 23 V		2.25			2.25	
	CO-CURRICULAR COURSES	UFM 210 CC 23 C		1.5	1.5		1.5	1.5
Sem 3	MANAGEMENT ACCOUNTING	2231UFMMA	2.4	2.4	2.4	2.4		2.4
	FOUNDATION COURSE– III (MONEY MARKET)	2232UFMFC	3.4	3.4	3.4	3.4		3.4
	DEBT MARKET-I	2233UFMDM	2.4	2.4	2.4	2.4		2.4
	EQUITY MARKET-I	2234UFMEM	3.2	3.2	3.2	3.2		3.2
	COMMODITY MARKET	2235UFMCM	3.2	3.2	3.2	3.2		3.2
	COMPUTER SKILLS-II	2236UFMCS	3.2	3.2	3.2	3.2		3.2
	BUSINESS LAW-I	2237UFMBL	2.4	2.4	2.4	2.4	2.4	2.4
Sem 4	CORPORATE FINANCE	2241UFMCF	2.4	2.4	2.4	2.4		2.4
	FOUNDATION COURSE – IV (FOREIGN EXCHANGE MARKET)	2242UFMFC	2.4	2.4	2.4	2.4		2.4
	DEBT MARKET-II	2243UFMDM	3	3	3	3		3
	EQUITY MARKET -II	2244UFMEM	3.4	3.4	3.4	3.4		3.4
	COMMODITY AND DERIVATIVE MARKET	2245UFMCD	2.8	2.8	2.8	2.8		2.8
	BUSINESS ECONOMICS-II	2246UFMBE	2.4	2.4	2.4	2.4		2.4
	BUSINESS LAW-II	2247UFMBL	2.4	2.4	2.4	2.4	2.4	2.4
Sem 5	FINANCIAL DERIVATIVES	2251UFMFD	3	3	3	3		3
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	2252UFMCG	2	2			2	2
	CORPORATE ACCOUNTING	2253UFMCA	1.8	1.8	1.8	1.8		1.8
	EQUITY RESEARCH	2254UFMER	2.4	2.4	2.4	2.4		2.4
	DIRECT TAX -INCOME TAX	2255UFMDT	2.4	2.4	2.4	2.4	2.4	2.4
	MARKETING IN FINANCIAL SERVICES	2256UFMFS	2.4	2.4	2.4	2.4		2.4
Sem 6	RISK MANAGEMENT	2261UFMRM	2.4	2.4	2.4	2.4		2.4
	INTERNSHIP BASED PROJECT WORK	2262UFMIP	2.4	2.4	2.4	2.4	2.4	2.4
	VENTURE CAPITAL AND PRIVATE EQUITY	2263UFMVC	3	3	3	3		3
	STRATEGIC CORPORATE FINANCE	2264UFMCF	2	2	2	2		2
	INDIRECT TAX-GST	2265UFMIT	3.6	3.6	3.6	3.6	3.6	3.6
	ORGANIZATIONAL BEHAVIOUR	2266UFMOB	2.4	2.4	2.4		2.4	2.4
		AVERAGE	**2.47**	**2.34**	**2.36**	**2.45**	**2.10**	**2.36**

MSatta.

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From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2.0. It means, PO attainment by corresponding courses is at Very good level (value greater than 2.0).

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ANNEXTURE UG SF5

Bachelor of Multi Media & Mass Communication (BAMMC):

Table No. UG SF5.1: PO CO Mapping Matrix:

Bachelor of Multi Media & Mass Communication (BAMMC): Academic Year - 2023-24

Semester	Subject	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Sem 1	Mass Communication	UMC101MC23MA	*		*	*														
	Landmark Events Of The World And India- A Mass Media Approach	UMC102LEM23MA	*	*	*	*														
	Introduction To Sociology	UMC103IS23O	*	*	*															
	Foundation Course-I	UMC104FC23O				*					*									
	Introduction To Computers	UMC105IC23VS	*	*			*	*												
	Media Economics	UMC106ME23SC	*	*	*		*	*												
	Media Communication-I	UMC107MC23A				*														
	Environmental Studies- I	UMC108ES23V		*	*	*	*							*			*			
	IKS	UMC109KS23K				*				*			*				*			
	Co-Curricular Courses	UMC110CC23CC	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sem 2	Media Psychology	UMC201MP23MA	*	*	*	*	*													
	Political Concepts And The Indian Political System	UMC202PCS23MA	*	*	*	*	*	*												
	Introduction To Literature	UMC203IL23MI	*	*																
	Introduction to Human Rights	UMC204HR23O				*					*									
	Foundation Course II	UMC205FC23O				*					*							*		
	Principles Of Marketing	UMC206MK23VS	*	*	*	*	*	*												
	Principles Of Management	UMC207MG23SC	*					*												
	Media Communication-II	UMC208MC23A	*	*	*	*	*	*												
	Environmental Studies II	UMC209ES23V			*		*							*		*	*		*	
	Co-Curricular Courses	UMC210CC23CC	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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(AUTONOMOUS)
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Sem 3	Introduction To Public Relations	2231UMCPR	*	*	*	*	*	*					*									
	Media Studies	2232UMCMS	*	*	*	*	*															
	Understanding Cinema	2233UMCUC	*	*	*		*	*														
	Introduction To Cultural Studies	2234UMCCS	*	*	*	*	*	*														
	Creative Writing	2235UMCCW	*	*	*	*	*	*					*									
	Advanced Computers	2236UMCAC	*	*	*	*	*	*														
Sem 4	Photography	2241UMCPH	*	*	*		*	*														
	Introduction To Journalism	2242UMCIJ							*	*	*	*	*	*								
	Introduction To Advertising	2243UMCIA													*	*	*	*	*	*		
	Film Appreciation	2244UMCFA	*	*	*					*												
	Organisational Behaviour	2245UMCOB	*	*	*	*		*														
	Mass Media Research	2246UMCMR	*	*	*			*														
Sem 5 Journalism	Digital Media	2351UMCDM	*	*	*	*	*	*		*						*	*		*			
	Journalism And Public Opinion	2352UMCJP							*	*	*	*	*	*								
	Indian Regional Journalism	2353UMCIR							*													
	Global And New Media	2354UMCGM	*						*		*			*								
	Reporting	2355UMCRP			*		*		*	*	*	*	*	*								
	Cross Media Writing And Editing-I	2356UMCCME							*	*			*	*								
Sem 5 Advertising	Digital Media	2351UMCDM	*	*	*	*	*	*		*						*	*		*			
	Brand Building	2352UMCBB													*	*	*	*		*		
	Advertising In Contemporary Society	2353UMCAC			*	*	*								*	*	*	*	*	*		
	Consumer Behaviour	2354UMCCB													*	*	*			*		
	Media Planning And Behaviour	2355UMCMP													*	*	*		*	*		
	Copywriting	2356UMCCW													*	*	*		*	*		
Sem 6 Journalism	Newspaper And Magazine Making	2361UMCNM							*	*	*	*	*	*								
	Contemporary Issues	2362UMCCI	*	*	*	*	*	*														
	Press Laws And Ethics	2363UMCPLE							*	*	*	*	*	*								

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Broadcast and Digital Journalism	2364UMCBDJ	*	*	*	*			*	*	*									
	Business And Magazine Journalism	2365UMCBMJ							*				*	*						
	News Media Management	2366UMCNMM							*					*						
	Cross Media Writing And Editing-II	2367UMCCME							*	*		*	*	*						
Sem 6 Advertising	Advertising Design	2261UMMAD													*	*	*	*	*	*
	Advertising Design	2361UMCAD													*	*	*	*	*	*
	Contemporary Issues	2362UMCCI	*	*	*	*	*	*												
	Legal Environment And Advertising Ethics	2363UMCLE													*			*	*	*
	Financial Management For Marketing And Advertising	2364UMCFM													*					*
	Principles And Practices Of Direct Marketing	2365UMCDM													*	*	*		*	*
	Agency Management	2366UMCAM													*			*	*	*

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Table No. UG SF5.2: CO Attainment Level:
Bachelor of Multi Media & Mass Communication (BAMMC):
Academic Year - 2023-24

SEM	SUB	CODE	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Mass Communication	UMC101MC23MA	3.5	2	Fully Attained	NA
	Landmark Events Of The World And India- A Mass Media Approach	UMC102LEM23MA	2.5	2	Fully Attained	NA
	Introduction To Sociology	UMC103IS23O	1.5	2	Not Attained	Assignments, Tutorials, Exercises and Remedial Lectures are Planned
	Foundation Course-I	UMC104FC23O	1.25	2		
	Introduction To Computers	UMC105IC23VS	2.25	2	Fully Attained	NA
	Media Economics	UMC106ME23SC	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Media Communication-I	UMC107MC23A	1.5	2		
	Environmental Studies- I	UMC108ES23V	2.5	2	Fully Attained	NA
	IKS	UMC109KS23K	2.5	2	Fully Attained	NA
	Co-Curricular Courses	UMC110CC23CC	1.38	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
II	Media Psychology	UMC201MP23MA	3.5	2	Fully Attained	NA
	Political Concepts And The Indian Political System	UMC202PCS23MA	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Introduction To Literature	UMC203IL23MI	2	2	Fully Attained	NA
	Introduction to Human Rights	UMC204HR23O	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Foundation Course II	UMC205FC23O	1.75	2		
	Principles Of Marketing	UMC206MK23VS	2	2	Fully Attained	NA
	Principles Of Management	UMC207MG23SC	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Media Communication-II	UMC208MC23A	2.25	2	Fully Attained	NA
	Environmental Studies II	UMC209ES23V	1.75	2	Not Attained	

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Co-Curricular Courses	UMC210CC23CC	1.25	2		Assignments, tutorials, exercises and remedial coaching shall be planned.
III	Introduction To Public Relations	2231UMCPR	2	2	Fully Attained	NA
	Media Studies	2232UMCMS	3	2	Fully Attained	NA
	Understanding Cinema	2233UMCUC	2.4	2	Fully Attained	NA
	Introduction To Cultural Studies	2234UMCCS	2.6	2	Fully Attained	NA
	Creative Writing	2235UMCCW	2.4	2	Fully Attained	NA
	Advanced Computers	2236UMCAC	2	2	Fully Attained	NA
IV	Photography	2241UMCPH	3	2	Fully Attained	NA
	Introduction To Journalism	2242UMCIJ	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Introduction To Advertising	2243UMCIA	2.4	2	Fully Attained	NA
	Film Appreciation	2244UMCFA	3	2	Fully Attained	NA
	Organisational Behaviour	2245UMCOB	3	2	Fully Attained	NA
	Mass Media Research	2246UMCMR	2.2	2	Fully Attained	NA
V Journalism	Digital Media	2251UMMDM	2.8	2	Fully Attained	NA
	Journalism And Public Opinion	2252UMMJP	2.6	2	Fully Attained	NA
	Indian Regional Journalism	2253UMMIR	2.6	2	Fully Attained	NA
	Global And New Media	2254UMMGM	3.2	2	Fully Attained	NA
	Reporting	2255UMMRP	2.4	2	Fully Attained	NA
	Cross Media Writing And Editing-I	2256UMMCME	1.6	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
V Advt	Digital Media	2251UMMDM	2.8	2	Fully Attained	NA
	Brand Building	2252UMMBB	2	2	Fully Attained	NA
	Advertising In Contemporary Society	2253UMMAC	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Consumer Behaviour	2254UMMCB	2.4	2	Fully Attained	NA
	Media Planning And Behaviour	2255UMMMP	2.4	2	Fully Attained	NA
	Copywriting	2256UMMCW	2.4	2	Fully Attained	NA
VI Journalism	Newspaper And Magazine Making	2261UMMNM	2.4	2	Fully Attained	NA
	Contemporary Issues	2262UMMCI	2	2	Fully Attained	NA
	Press Laws And Ethics	2263UMMPLE	3.4	2	Fully Attained	NA
	Broadcast and Digital Journalism	2264UMMBDJ	2.2	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Business And Magazine Journalism	2265UMMBMJ	2	2	Fully Attained	NA
	News Media Management	2266UMMNMM	3.6	2	Fully Attained	NA
	Cross Media Writing & Editing-II	2267UMMCME	2.6	2	Fully Attained	NA
VI Advt	Advertising Design	2261UMMAD	2	2	Fully Attained	NA
	Contemporary Issues	2262UMMCI	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Legal Environment And Advertising Ethics	2263UMMLE	2.4	2	Fully Attained	NA
	Financial Management For Marketing And Advertising	2264UMMFM	2	2	Fully Attained	NA
	Principles And Practices Of Direct Marketing	2265UMMDM	2	2	Fully Attained	NA
	Agency Management	2266UMMAM	2.4	2	Fully Attained	NA
	Entrepreneurship Development	2267UMMED	1	2	Fully Attained	NA
		Average	**2.23**	2		
NA: Not Applicable as target level is fully attained.						

Table No. F.2a: PO Attainment Level-
Bachelor of Multi Media & Mass Communication (BAMMC): 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	5	4	Fully Attained	NA
A2023-24	4	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level 4. Hence at present no plans are required.

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Table No. F.3: Results of CO-PO attainment-Bachelor of Multi Media & Mass Communication (BAMMC)
Academic Year 2023-24

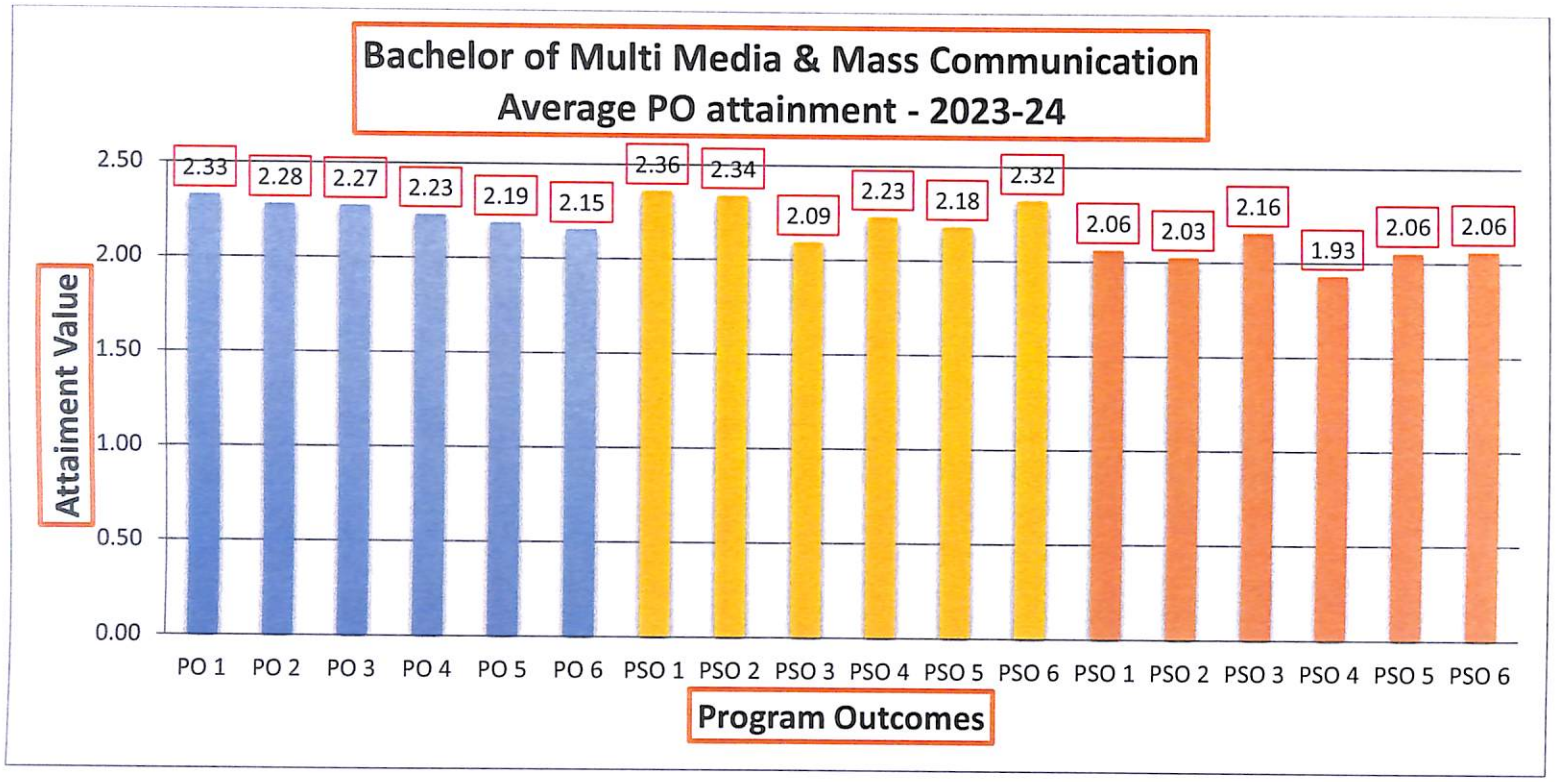
Semester	Subject	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Sem 1	Mass Communication	UMC101MC23MA	3.5		3.5	3.5														
	Landmark Events Of The World And India- A Mass Media Approach	UMC102LEM23MA	2.5	2.5	2.5	2.5														
	Introduction To Sociology	UMC103IS23O	1.5	1.5	1.5															
	Foundation Course-I	UMC104FC23O				1.25					1.25									
	Introduction To Computers	UMC105IC23VS	2.25	2.25			2.25	2.25												
	Media Economics	UMC106ME23SC	1.5	1.5	1.5		1.5	1.5												
	Media Communication-I	UMC107MC23A				1.5														
	Environmental Studies- I	UMC108ES23V		2.5	2.5	2.5	2.5							2.5			2.5			
	IKS	UMC109KS23K				2.5				2.5			2.5				2.5			
	Co-Curricular Courses	UMC110CC23CC	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
Sem 2	Media Psychology	UMC201MP23MA	3.5	3.5	3.5	3.5	3.5													
	Political Concepts And The Indian Political System	UMC202PCS23MA	1.5	1.5	1.5	1.5	1.5	1.5												
	Introduction To Literature	UMC203IL23MI	2	2																
	Introduction to Human Rights	UMC204HR23O				1.5					1.5									
	Foundation Course II	UMC205FC23O				1.75					1.75							1.75		
	Principles Of Marketing	UMC206MK23VS	2	2	2	2	2	2												
	Principles Of Management	UMC207MG23SC	1.75					1.75												
	Media Communication-II	UMC208MC23A	2.25	2.25	2.25	2.25	2.25	2.25												
	Environmental Studies II	UMC209ES23V			1.75		1.75							1.75		1.75	1.75		1.75	
	Co-Curricular Courses	UMC210CC23CC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Sem 3	Introduction To Public Relations	2231UMCPR	2	2	2	2	2	2					2							
	Media Studies	2232UMCMS	3	3	3	3	3													
	Understanding Cinema	2233UMCUC	2.4	2.4	2.4		2.4	2.4												
	Introduction To Cultural Studies	2234UMCCS	2.6	2.6	2.6	2.6	2.6	2.6												
	Creative Writing	2235UMCCW	2.4	2.4	2.4	2.4	2.4	2.4					2.4							
	Advanced Computers	2236UMCAC	2	2	2	2	2	2												
Sem 4	Photography	2241UMCPH	3	3	3		3	3												
	Introduction To Journalism	2242UMCIJ							1.8	1.8	1.8	1.8	1.8	1.8						

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Introduction To Advertising	2243UMCIA													2.4	2.4	2.4	2.4	2.4	2.4
	Film Appreciation	2244UMCFA	3	3	3					3										
	Organisational Behaviour	2245UMCOB	3	3	3	3		3												
	Mass Media Research	2246UMCMR	2.2	2.2	2.2			2.2												
Sem 5 Journalism	Digital Media	2351UMCDM	**2.8**	**2.8**	**2.8**	2.8	2.8	**2.8**		2.8						2.8	2.8		2.8	
	Journalism And Public Opinion	2352UMCJP							2.6	2.6	2.6	2.6	2.6	2.6						
	Indian Regional Journalism	2353UMCIR							2.6											
	Global And New Media	2354UMCGM	**3.2**						3.2		3.2			3.2						
	Reporting	2355UMCRP			**2.4**		2.4		2.4	2.4	2.4	2.4	2.4	2.4						
	Cross Media Writing And Editing-I	2356UMCCME							1.6	1.6			1.6	1.6						
Sem 5 Advertising	Digital Media	2351UMCDM	**2.8**	**2.8**	**2.8**	2.8	2.8	**2.8**		2.8						2.8	2.8		2.8	
	Brand Building	2352UMCBB													2	2	2	2		2
	Advertising In Contemporary Society	2353UMCAC			*	*	*								1.8	1.8	1.8	1.8	1.8	1.8
	Consumer Behaviour	2354UMCCB													2.4	2.4	2.4			2.4
	Media Planning And Behaviour	2355UMCMP													2.4	2.4	2.4		2.4	2.4
	Copywriting	2356UMCCW													2.4	2.4	2.4		2.4	2.4
Sem 6 Journalism	Newspaper And Magazine Making	2361UMCNM							2.4	2.4	2.4	2.4	2.4	2.4						
	Contemporary Issues	2362UMCCI	**2**	**2**	**2**	2	2	**2**												
	Press Laws And Ethics	2363UMCPLE							3.4	3.4	3.4	3.4	3.4	3.4						
	Broadcast and Digital Journalism	2364UMCBDJ	**2.2**	**2.2**	**2.2**	2.2			2.2	2.2	2.2									
	Business And Magazine Journalism	2365UMCBMJ							2				2	2						
	News Media Management	2366UMCNMM							3.6					3.6						
	Cross Media Writing And Editing-II	2367UMCCME							2.6	2.6		2.6	2.6	2.6						
Sem 6 Advertising	Advertising Design	2361UMCAD													2	2	2	2	2	2
	Contemporary Issues	2362UMCCI	**2**	**2**	**2**	2	2	**2**												
	Legal Environment And Advertising Ethics	2363UMCLE													2.4			2.4	2.4	2.4
	Financial Management For Marketing And Advertising	2364UMCFM													2					2
	Principles And Practices Of Direct Marketing	2365UMCDM													2	2	2		2	2
	Agency Management	2366UMCAM													2.4			2.4	2.4	2.4

PRINCIPAL
MANGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
MANGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Entrepreneurship Development	2367UMCED			1		1								1			1	
		AVERAGE																	



From above graph, it is observed that average PO attainment value for all program outcomes and all but five program specific outcomes is greater than 2.5. It means, PO attainment by for program outcomes corresponding courses is at excellent (value > 2.5) level. PO attainment levels for five program specific outcomes is at very good level (value between 2 and 2.5)

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

ANNEXTURE UG SF6

Bachelor of Science (Computer Science) - B. Sc. (CS)

Table No. UG SF6.1: PO CO Mapping Matrix:

Bachelor of Science (Computer Science) - B. Sc. (CS): Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
I	Introduction to Programming	UIS101IP23MA	*	*	*	*	*	*		*	*	*
	Operating Systems	UIS102OS23MA	*	*	*	*		*		*		*
	Fundamentals of Computers and Electronics	UIS103FCE23O	*	*	*	*		*		*		
	Making Effective Presentations	UIS104MEP23O							*	*	*	*
	Web Programming-I	UIS105WP23VS	*	*	*	*	*	*	*	*	*	*
	Discrete Mathematics-I	UIS106DM23SC	*	*	*		*	*				
	Business Communication I	UIS107BC23A								*	*	*
	Environmental Studies I	UIS108ES23V								*	*	*
	Indian Knowledge System	UIS109KS23K								*	*	*
	Co-Curricular Courses	UIS110CC23C								*	*	*
II	Object Oriented Programming	UIS201OOP23MA	*	*	*	*		*	*	*	*	*
	Database Management Systems I	UIS202DMS23MA	*	*	*	*	*		*	*		*
	Programming and Application Development in Python	UIS203PAD23MI	*	*	*	*	*	*	*	*		*
	IT platforms, Tools and Practices	UIS204ITP23O	*	*	*	*	*		*	*	*	*
	Data Analysis using Spreadsheets	UIS205DAS23O					*	*	*	*	*	*
	Web Programming II	UIS206WP23VS	*	*	*	*	*	*	*	*	*	*
	Discrete Mathematics II	UIS207DM23SC	*	*	*		*	*				
	Business Communication II	UIS208BC23A								*	*	*
	Environmental Studies II	UIS209ES23V								*	*	*
	Co-Curricular Courses	UIS210CC23C								*	*	*
III	Descriptive Statistics	2231UISST	*	*	*	*	*	*				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Core Java	2232UISCJ	*	*	*					*	*	*
	Core Java Practical	2232UISCJP	*	*	*					*	*	*
	Data Structures	2233UISDS	*	*	*		*			*		*
	Data Structures Practical	2233UISDSP	*	*	*		*			*		*
	Computer Networks	2234UISCN	*	*	*				*	*		*
	Computer Networks Practical	2234UISCNP	*	*	*				*	*		*
	Database Management Systems-II	2235UISDB	*	*	*					*	*	*
	Database Management Systems-II Practical	2235UISDBP	*	*	*					*	*	*
	Advanced Web Programming – I	2236UISAW	*	*	*					*		*
	Advanced Web Programming – I Practical	2236UISAWP	*	*	*					*		*
	Hybrid Mobile Application Development – I	2236UISMD	*	*	*	*				*	*	*
	Hybrid Mobile Application Development – I Practical	2236UISMDP	*	*	*	*				*		*
	Computer Graphics and Animation	2236UISCG	*	*	*	*	*	*		*		*
	Computer Graphics and Animation Practical	2236UISCGP	*	*	*	*	*	*		*		*
	Embedded Systems	2236UISES	*	*	*					*		*
	Embedded Systems Practical	2236UISESP	*	*	*					*		*
	Theory of Computation - I	2236UISTC	*			*			*	*	*	*
	Theory of Computation - I Practical	2236UISTCP				*			*	*	*	*
	Probability Theory	2241UISPT	*	*	*	*	*	*		*		*
	Design Patterns	2242UISDP	*	*	*	*		*		*		
	Design Patterns Practical	2242UISDPP	*	*	*	*		*		*		
	Design and Analysis of Algorithms	2243UISDA	*	*	*	*	*	*		*	*	*
	Design and Analysis of Algorithms Practical	2243UISDAP	*	*	*	*	*	*		*	*	*
	System Programming	2244UISSP	*	*	*	*						*

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

IV	System Programming Practical	2244UISSPP	*	*	*	*				*		*
	Software Engineering	2245UISSE	*	*	*	*	*			*		*
	Software Engineering Practical	2245UISSEP	*	*	*	*	*			*		*
	Advanced Web Programming - II	2246UISAW	*	*	*	*						*
	Advanced Web Programming – II Practical	2246UISAWP	*	*	*	*						*
	Hybrid Mobile Application Development - II	2246UISMD	*	*	*	*				*	*	*
	Hybrid Mobile Application Development – II Practical	2246UISMDP	*	*	*	*				*	*	*
	Advanced Java	2246UISAJ	*	*	*					*		*
	Advanced Java Practical	2246UISAJP	*	*	*					*		*
	Multimedia Systems	2246UISMS	*	*	*	*			*	*		*
	Multimedia Systems Practical	2246UISMSP	*	*	*	*			*	*		*
	Internet of Things	2246UISIT	*	*	*	*				*		*
	Internet of Things Practical	2246UISITP	*	*	*	*				*		*
	Theory of Computation - II	2246UISTC	*		*	*			*	*		*
	Theory of Computation - II Practical	2246UISTCP	*		*	*			*	*		*
V	Data and Network Security	2351UCSDN	*	*	*	*				*	*	*
	Data and Network Security Practical	2351UCSDNP	*	*	*	*				*	*	*
	Optimization Techniques	2352UCSOT	*	*	*	*	*	*		*	*	*
	Optimization Techniques Practical	2352UCSOTP	*	*	*	*	*	*		*	*	*
	Web Services	2353UCSWS	*	*	*	*				*	*	*
	Web Services Practical	2353UCSWSP	*	*	*	*				*	*	*
	Ethical Hacking	2353UCSEH	*	*	*	*	*	*	*	*	*	*
	Ethical Hacking Practical	2353UCSEHP	*	*	*	*	*	*	*	*	*	*
	Introduction to Big Data Analytics	2353UCSBD	*	*	*	*				*	*	*
	Introduction to Big Data Analytics Practical	2353UCSBDP	*	*	*	*				*	*	*

PRINCIPAL
BAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
BAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Wireless Sensor Networks	2354UCSWN	*	*	*	*				*	*	*
	Wireless Sensor Networks Practical	2354UCSWNP	*	*	*	*				*	*	*
	Game Programming	2354UCSGP	*	*	*	*	*	*		*	*	*
	Game Programming Practical	2354UCSGPP	*	*	*	*	*	*		*	*	*
	Web Technologies	2354UCSWT	*	*	*	*				*	*	*
	Web Technologies Practical	2354UCSWTP	*	*	*	*				*	*	*
	Project Implementation	2355UCSPI	*	*	*	*	*	*	*	*	*	*
VI	Building blocks of Artificial Intelligence	2361UCSBA	*	*	*	*				*	*	*
	Building blocks of Artificial Intelligence Practical	2361UCSBAP	*	*	*	*				*	*	*
	Data Science	2362UCSDS	*	*	*	*	*	*		*	*	*
	Data Science Practical	2362UCSDSP	*	*	*	*	*	*		*	*	*
	Cloud Computing	2363UCSCC	*	*	*	*				*	*	*
	Cloud Computing Practical	2363UCSCCP	*	*	*	*				*	*	*
	Cyber Forensics	2363UCSCF	*	*	*	*	*	*	*	*	*	*
	Cyber Forensics Practical	2363UCSCFP	*	*	*	*			*	*	*	*
	Mobile and Pervasive Computing	2364UCSMP	*	*	*	*	*	*		*	*	*
	Mobile and Pervasive Computing Practical	2364UCSMPP	*	*	*	*	*	*		*	*	*
	Digital Image Processing	2364UCSDI	*	*	*	*	*	*		*	*	*
	Digital Image Processing Practical	2364UCSDIP	*	*	*	*	*	*		*	*	*
	Project Implementation	2365UCSPI	*	*	*	*	*	*	*	*	*	*
	IIT Spoken Tutorial Programme	236UGESTP	*	*	*		*		*	*		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Table No. UG SF6.2: CO Attainment Level: Bachelor of Science- B. Sc. (Computer Science)
Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Introduction to Programming	UIS101IP23MA	2.5	2	Fully Attained	NA
	Operating Systems	UIS102OS23MA	2.5	2	Fully Attained	NA
	Fundamentals of Computers and Electronics	UIS103FCE23O	1.25	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Making Effective Presentations	UIS104MEP23O	2.25	2	Fully Attained	NA
	Web Programming-I	UIS105WP23VS	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Discrete Mathematics-I	UIS106DM23SC	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Communication I	UIS107BC23A	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Environmental Studies I	UIS108ES23V	2	2	Fully Attained	NA
	Indian Knowledge System	UIS109KS23K	2.5	2	Fully Attained	NA
	Co-Curricular Courses	UIS110CC23C	1.625	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Object Oriented Programming	UIS201OOP23MA	2.5	2	Fully Attained	NA
	Database Management Systems I	UIS202DMS23MA	2	2	Not Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

II	Programming and Application Development in Python	UIS203PAD23MI	1.25	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	IT platforms, Tools and Practices	UIS204ITP23O	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Data Analysis using Spreadsheets	UIS205DAS23O	2.25	2	Fully Attained	NA
	Web Programming II	UIS206WP23VS	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Discrete Mathematics II	UIS207DM23SC	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Communication II	UIS208BC23A	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Environmental Studies II	UIS209ES23V	2	2	Fully Attained	NA
	Co-Curricular Courses	UIS210CC23C	0.875	2	FulAttained	NA
III	Descriptive Statistics	2231UISST	3	2	Fully Attained	NA
	Core Java	2232UISCJ	2.8	2	Fully Attained	NA
	Core Java Practical	2232UISCJP	3	2	Fully Attained	NA
	Data Structures	2233UISDS	3	2	Fully Attained	NA
	Data Structures Practical	2233UISDSP	2	2	Fully Attained	NA
	Computer Networks	2234UISCN	3.4	2	Fully Attained	NA
	Computer Networks Practical	2234UISCNP	3	2	Fully Attained	NA
	Database Management Systems- II	2235UISDB	2.8	2	Fully Attained	NA
	Database Management Systems- II Practical	2235UISDBP	2	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Advanced Web Programming – I	2236UISAW	4.6	2	Fully Attained	NA
	Advanced Web Programming – I Practical	2236UISAWP	2	2	Fully Attained	NA
	Hybrid Mobile Application Development – I	2236UISMD	3.8	2	Fully Attained	NA
	Hybrid Mobile Application Development – I Practical	2236UISMDP	4	2	Fully Attained	NA
	Computer Graphics and Animation	2236UISCG	1.2	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Computer Graphics and Animation Practical	2236UISCGP	3	2	Fully Attained	NA
IV	Probability Theory	2241UISPT	3.4	2	Fully Attained	NA
	Design Patterns	2242UISDP	2.8	2	Fully Attained	NA
	Design Patterns Practical	2242UISDPP	4	2	Fully Attained	NA
	Design and Analysis of Algorithms	2243UISDA	2.8	2	Fully Attained	NA
	Design and Analysis of Algorithms Practical	2243UISDAP	2	2	Fully Attained	NA
	System Programming	2244UISSP	3	2	Fully Attained	NA
	System Programming Practical	2244UISSPP	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Software Engineering	2245UISSE	2.8	2	Fully Attained	NA
	Software Engineering Practical	2245UISSEP	2	2	Fully Attained	NA
	Advanced Web Programming - II	2246UISAW	2.4	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Advanced Web Programming – II Practical	2246UISAWP	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Hybrid Mobile Application Development - II	2246UISMD	2.8	2	Fully Attained	NA
	Hybrid Mobile Application Development – II Practical	2246UISMDP	3	2	Fully Attained	NA
	Multimedia Systems	2246UISMS	3.2	2	Fully Attained	NA
	Multimedia Systems Practical	2246UISMSP	5	2	Fully Attained	NA
V	Data and Network Security	2351UCSDN	2.8	2	Fully Attained	NA
	Data and Network Security Practical	2351UCSDNP	3	2	Fully Attained	NA
	Optimization Techniques	2352UCSOT	2	2	Fully Attained	NA
	Optimization Techniques Practical	2352UCSOTP	2	2	Fully Attained	NA
	Ethical Hacking	2353UCSEH	2.2	2	Fully Attained	NA
	Ethical Hacking Practical	2353UCSEHP	3	2	Fully Attained	NA
	Game Programming	2354UCSGP	2.4	2	Fully Attained	NA
	Game Programming Practical	2354UCSGPP	0	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Project Implementation	2355UCSPI	2	2	Fully Attained	NA
	Building blocks of Artificial Intelligence	2361UCSBA	2.4	2	Fully Attained	NA
	Building blocks of Artificial Intelligence Practical	2361UCSBAP	3	2	Fully Attained	NA
	Data Science	2362UCSDS	2.8	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

VI	Data Science Practical	2362UCSDSP	4	2	Fully Attained	NA
	Cyber Forensics	2363UCSCF	2.8	2	Fully Attained	NA
	Cyber Forensics Practical	2363UCSCFP	4	2	Fully Attained	NA
	Digital Image Processing	2364UCSDI	2.8	2	Fully Attained	NA
	Digital Image Processing Practical	2364UCSDIP	2	2	Fully Attained	NA
	Project Implementation	2365UCSPI	2	2	Fully Attained	NA
	IIT Spoken Tutorial Programme	236UGESTP	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
			2.45			

Table No. UG SF6.2a: PO Attainment Level- B. Sc. (Computer Science)-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2020-21	4	4	Fully Attained	NA
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG SF6.3: Results of CO-PO attainment-
B. Sc. (Computer Science)-B. Sc.(CS)-Academic Year 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
I	Introduction to Programming	UIS101IP23MA	2.5	2.5	2.5	2.5	2.5	2.5		2.5	2.5	2.5
	Operating Systems	UIS102OS23MA	2.5	2.5	2.5	2.5		2.5		2.5		2.5
	Fundamentals of Computers and Electronics	UIS103FCE23O	1.25	1.25	1.25	1.25		1.25		1.25		
	Making Effective Presentations	UIS104MEP23O							2.25	2.25	2.25	2.25
	Web Programming-I	UIS105WP23VS	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
	Discrete Mathematics-I	UIS106DM23SC	1.5	1.5	1.5		1.5	1.5				
	Business Communication I	UIS107BC23A								1.75	1.75	1.75
	Environmental Studies I	UIS108ES23V								2	2	2
	Indian Knowledge System	UIS109KS23K								2.5	2.5	2.5
	Co-Curricular Courses	UIS110CC23C								1.375	1.375	1.375
II	Object Oriented Programming	UIS201OOP23MA	2.5	2.5	2.5	2.5		2.5	2.5	2.5	2.5	2.5
	Database Management Systems I	UIS202DMS23MA	2	2	2	2	2		2	2		2
	Programming and Application Development in Python	UIS203PAD23MI	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15		1.15
	IT platforms, Tools and Practices	UIS204ITP23O	1.75	1.75	1.75	1.75	1.75		1.75	1.75	1.75	1.75
	Data Analysis using Spreadsheets	UIS205DAS23O					2.25	2.25	2.25	2.25	2.25	2.25
	Web Programming II	UIS206WP23VS	1	1	1	1	1	1	1	1	1	1

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

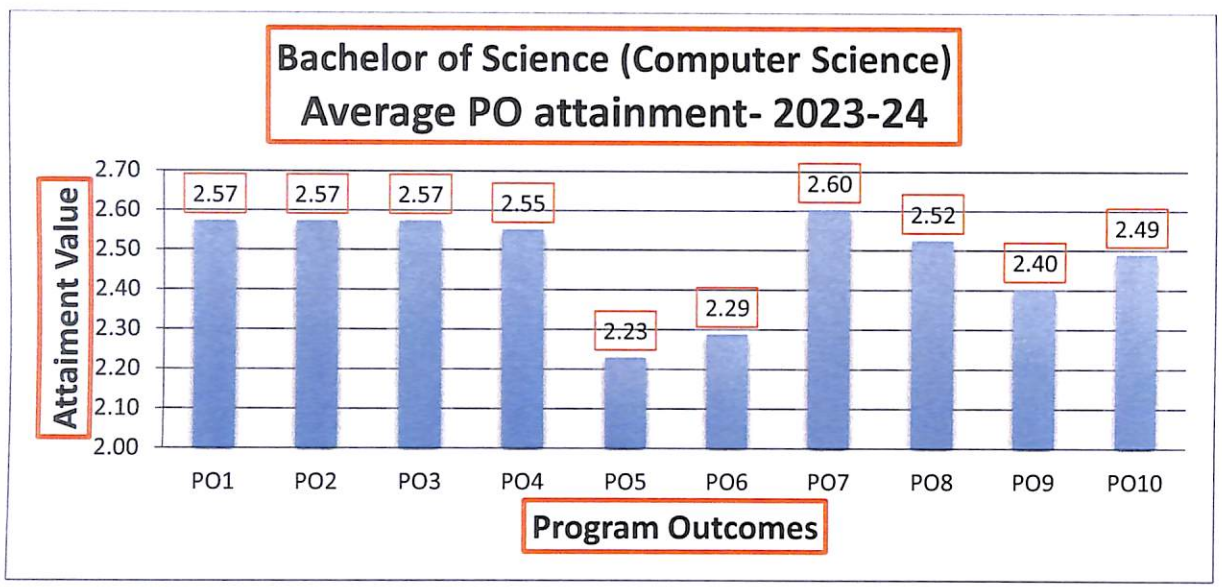
	Discrete Mathematics II	UIS207DM23SC	1.75	1.75	1.75		1.75	1.75				
	Business Communication II	UIS208BC23A								1.75	1.75	1.75
	Environmental Studies II	UIS209ES23V								2	2	2
	Co-Curricular Courses	UIS210CC23C								0.875	0.875	0.875
III	Descriptive Statistics	2231UISST	3	3	3	3	3	3				
	Core Java	2232UISCJ	2.8	2.8	2.8					2.8	2.8	2.8
	Core Java Practical	2232UISCJP	3	3	3					3	3	3
	Data Structures	2233UISDS	3	3	3		3			3		3
	Data Structures Practical	2233UISDSP	2	2	2		2			2		2
	Computer Networks	2234UISCN	3.4	3.4	3.4				3.4	3.4		3.4
	Computer Networks Practical	2234UISCNP	3	3	3				3	3		3
	Database Management Systems-II	2235UISDB	2.8	2.8	2.8					2.8	2.8	2.8
	Database Management Systems-II Practical	2235UISDBP	2	2	2					2	2	2
	Advanced Web Programming – I	2236UISAW	4.6	4.6	4.6					4.6		4.6
	Advanced Web Programming – I Practical	2236UISAWP	2	2	2					2		2
	Hybrid Mobile Application Development – I	2236UISMD	3.8	3.8	3.8	3.8				3.8	3.8	3.8
	Hybrid Mobile Application Development – I Practical	2236UISMDP	4	4	4	4				4		4
	Computer Graphics and Animation	2236UISCG	1.2	1.2	1.2	1.2	1.2	1.2		1.2		1.2
	Computer Graphics and Animation Practical	2236UISCGP	3	3	3	3	3	3		3		3
IV	Probability Theory	2241UISPT	3.4	3.4	3.4	3.4	3.4	3.4		3.4		3.4
	Design Patterns	2242UISDP	2.8	2.8	2.8	2.8		2.8		2.8		
	Design Patterns Practical	2242UISDPP	4	4	4	4		4		4		
	Design and Analysis of Algorithms	2243UISDA	2.8	2.8	2.8	2.8	2.8	2.8		2.8	2.8	2.8

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Design and Analysis of Algorithms Practical	2243UISDAP	2	2	2	2	2	2		2	2	2
	System Programming	2244UISSP	3	3	3	3				3		3
	System Programming Practical	2244UISSPP	1	1	1	1				1		1
	Software Engineering	2245UISSE	2.8	2.8	2.8	2.8	2.8			2.8		2.8
	Software Engineering Practical	2245UISSEP	2	2	2	2	2			2		2
	Advanced Web Programming - II	2246UISAW	2.4	2.4	2.4	2.4						2.4
	Advanced Web Programming – II Practical	2246UISAWP	1	1	1	1						1
	Hybrid Mobile Application Development - II	2246UISMD	2.8	2.8	2.8	2.8				2.8	2.8	2.8
	Hybrid Mobile Application Development – II Practical	2246UISMDP	3	3	3	3				3	3	3
	Multimedia Systems	2246UISMS	3.2	3.2	3.2	3.2			3.2	3.2		3.2
	Multimedia Systems Practical	2246UISMSP	5	5	5	5			5	5		5
V	Data and Network Security	2351UCSDN	2.8	2.8	2.8	2.8				2.8	2.8	2.8
	Data and Network Security Practical	2351UCSDNP	3	3	3	3				3	3	3
	Optimization Techniques	2352UCSOT	2	2	2	2	2	2		2	2	2
	Optimization Techniques Practical	2352UCSOTP	2	2	2	2	2	2		2	2	2
	Ethical Hacking	2353UCSEH	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	Ethical Hacking Practical	2353UCSEHP	3	3	3	3	3	3	3	3	3	3
	Game Programming	2354UCSGP	2.4	2.4	2.4	2.4	2.4	2.4		2.4	2.4	2.4
	Game Programming Practical	2354UCSGPP	0	0	0	0	0	0		0	0	0
	Project Implementation	2355UCSPI	2	2	2	2				2	2	2
VI	Building blocks of Artificial Intelligence	2361UCSBA	2.4	2.4	2.4	2.4				2.4	2.4	2.4
	Building blocks of Artificial Intelligence Practical	2361UCSBAP	3	3	3	3				3	3	3
	Data Science	2362UCSDS	2.8	2.8	2.8	2.8	2.8	2.8		2.8	2.8	2.8
	Data Science Practical	2362UCSDSP	4	4	4	4	4	4		4	4	4

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Cyber Forensics	2363UCSCF	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	Cyber Forensics Practical	2363UCSCFP	5	5	5	5			5	5	5	5
	Digital Image Processing	2364UCSDI	2.8	2.8	2.8	2.8	2.8	2.8		2.8	2.8	2.8
	Digital Image Processing Practical	2364UCSDIP	2	2	2	2	2	2		2	2	2
	Project Implementation	2365UCSPI	2	2	2	2	2	2	2	2	2	2
	IIT Spoken Tutorial Programme	236UGESTP	1.5	1.5	1.5		1.5		1.5	1.5		
			2.57	2.57	2.57	2.55	2.23	2.29	2.60	2.52	2.40	2.49



From above graph, it is observed that average PO attainment value for all but two of the program outcome is greater than 2.5. It means, PO attainment by corresponding courses is at Excellent level (value greater than 2.5).

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

ANNEXTURE UG SF7

Bachelor of Science (Information Technology) - B. Sc. (IT)

Table No. UG SF7.1: PO CO Mapping Matrix:

Bachelor of Science (Information Technology) - B. Sc. (IT): Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
I	Introduction to Programming	UIT101IP23MA	*	*	*	*	*	*		*	*	*
	Operating Systems	UIT102OS23MA	*	*	*	*		*		*		*
	Fundamentals of Computers and Electronics	UIT103FCE23O	*	*	*	*		*		*		
	Making Effective Presentations	UIT104MEP23O							*	*	*	*
	Web Programming-I	UIT105WP23VS	*	*	*	*	*	*	*	*	*	*
	Discrete Mathematics-I	UIT106DM23SC	*	*	*		*	*				
	Business Communication I	UIT107BC23A								*	*	*
	Environmental Studies I	UIT108ES23V								*	*	*
	Indian Knowledge System	UIT109KS23K								*	*	*
	Co-Curricular Courses	UIT110CC23C								*	*	*
II	Object Oriented Programming	UIT201OOP23MA	*	*	*	*		*	*	*	*	*
	Database Management Systems I	UIT202DMS23MA	*	*	*	*	*		*	*		*
	Programming and Application Development in Python	UIT203PAD23MI	*	*	*	*	*	*	*	*		*
	IT platforms, Tools and Practices	UIT204ITP23O	*	*	*	*	*		*	*	*	*
	Data Analysis using Spreadsheets	UIT205DAS23O					*	*	*	*	*	*
	Web Programming II	UIT206WP23VS	*	*	*	*	*	*	*	*	*	*
	Discrete Mathematics II	UIT207DM23SC	*	*	*		*	*				
	Business Communication II	UIT208BC23A								*	*	*
	Environmental Studies II	UC209ES23V								*	*	*
	Co-Curricular Courses	UIT210CC23C								*	*	*
III	Descriptive Statistics	2231UISST	*	*	*	*	*	*				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Core Java	2232UISCJ	*	*	*					*	*	*
	Core Java Practical	2232UISCJP	*	*	*					*	*	*
	Data Structures	2233UISDS	*	*	*		*			*		*
	Data Structures Practical	2233UISDSP	*	*	*		*			*		*
	Computer Networks	2234UISCN	*	*	*				*	*		*
	Computer Networks Practical	2234UISCNP	*	*	*				*	*		*
	Database Management Systems-II	2235UISDB	*	*	*					*	*	*
	Database Management Systems-II Practical	2235UISDBP	*	*	*					*	*	*
	Advanced Web Programming – I	2236UISAW	*	*	*					*		*
	Advanced Web Programming – I Practical	2236UISAWP	*	*	*					*		*
	Hybrid Mobile Application Development – I	2236UISMD	*	*	*	*				*	*	*
	Hybrid Mobile Application Development – I Practical	2236UISMDP	*	*	*	*				*		*
	Computer Graphics and Animation	2236UISCG	*	*	*	*	*	*		*		*
	Computer Graphics and Animation Practical	2236UISCGP	*	*	*	*	*	*		*		*
	Embedded Systems	2236UISES	*	*	*					*		*
	Embedded Systems Practical	2236UISESP	*	*	*					*		*
	Principles of Management	2236UITPM	*			*			*	*	*	*
	Principles of Management Practical	2236UITPMP	*			*			*	*	*	*
	Probability Theory	2241UISPT	*	*	*	*	*	*		*		*
	Design Patterns	2242UISDP	*	*	*	*		*		*		
	Design Patterns Practical	2242UISDPP	*	*	*	*		*		*		
	Design and Analysis of Algorithms	2243UISDA	*	*	*	*	*	*		*	*	*
	Design and Analysis of Algorithms Practical	2243UISDAP	*	*	*	*	*	*		*	*	*
	System Programming	2244UISSP	*	*	*	*				*		*

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

IV	System Programming Practical	2244UISSPP	*	*	*	*				*		*
	Software Engineering	2245UISSE	*	*	*	*	*			*		*
	Software Engineering Practical	2245UISSEP	*	*	*	*	*			*		*
	Advanced Web Programming - II	2246UISAW	*	*	*	*						*
	Advanced Web Programming – II Practical	2246UISAWP	*	*	*	*						*
	Hybrid Mobile Application Development - II	2246UISMD	*	*	*	*				*	*	*
	Hybrid Mobile Application Development – II Practical	2246UISMDP	*	*	*	*				*	*	*
	Advanced Java	2246UISAJ	*	*	*					*		*
	Advanced Java Practical	2246UISAJP	*	*	*					*		*
	Multimedia Systems	2246UISMS	*	*	*	*			*	*		*
	Multimedia Systems Practical	2246UISMSP	*	*	*	*			*	*		*
	Internet of Things	2246UISIT	*	*	*	*				*		*
	Internet of Things Practical	2246UISITP	*	*	*	*				*		*
	Principles of Marketing	2246UISPM	*		*	*			*	*		*
	Principles of Marketing Practical	2246UISPMP	*		*	*			*	*		*
V	Principles of Artificial Intelligence	2351UITPA	*	*	*	*				*	*	*
	Principles of Artificial Intelligence Practical	2351UITPAP	*	*	*	*				*	*	*
	Data Mining and Warehousing	2352UITDW	*	*	*	*				*	*	*
	Data Mining and Warehousing Practical	2352UITDWP	*	*	*	*				*	*	*
	Geographic Information Systems	2353UITGS	*	*	*	*	*	*		*	*	*
	Geographic Information Systems Practical	2353UITGSP	*	*	*	*	*	*		*	*	*
	Personal Effectiveness Management	2353UITPM	*	*	*	*			*	*	*	*
	Personal Effectiveness Management Project	2353UITPMP	*	*	*	*			*	*	*	*

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Foundations of Software Testing	2354UITST	*	*	*	*				*	*	*
	Foundations of Software Testing Practical	2354UITSTP	*	*	*	*				*	*	*
	Cloud Computing	2354UITCC	*	*	*	*				*	*	*
	Cloud Computing Practical	2354UITCCP	*	*	*	*				*	*	*
	.Net Technologies	2354UITNT	*	*	*	*				*	*	*
	.Net Technologies Practical	2354UITNTP	*	*	*	*				*	*	*
	Project Implementation	2355UITPI	*	*	*	*	*	*	*	*	*	*
VI	Information Security Management	2361UITIM	*	*	*	*				*	*	
	Information Security Management Practical	2361UITIMP	*	*	*	*				*	*	
	Business Intelligence	2362UITBI	*	*	*	*				*	*	
	Business Intelligence Practical	2362UITBIP	*	*	*	*				*	*	
	Remote Sensing	2363UITRS	*	*	*	*	*	*		*	*	
	Remote Sensing Practical	2363UITRSP	*	*	*	*	*	*		*	*	
	Event Marketing	2363UITEM	*	*	*	*			*	*	*	
	Event Marketing Project	2363UITEMP	*	*	*	*			*	*	*	
	Project Management	2364UITPM	*	*	*	*	*	*	*	*	*	
	Project Management Practical	2364UITPMP	*	*	*	*	*	*	*	*	*	
	Cyber Laws and Introduction to Blockchain	2364UITLB	*	*	*	*				*	*	
	Cyber Laws and Introduction to Blockchain Practical	2364UITLBP	*	*	*	*				*	*	
	Project Implementation	2365UITPI	*	*	*	*	*	*	*	*	*	
	Generic Elective(IIT Spoken Tutorial Programme)	236UGESTP	*	*	*	*		*		*		

PRINCIPAL
BAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
BAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Table No. UG SF7.2: CO Attainment Level: Bachelor of Science- B. Sc. (Information Technology)
Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Introduction to Programming	UIT101IP23MA	2	2	Fully Attained	NA
	Operating Systems	UIT102OS23MA	3	2	Fully Attained	NA
	Fundamentals of Computers and Electronics	UIT103FCE23O	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Making Effective Presentations	UIT104MEP23O	2.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Web Programming-I	UIT105WP23VS	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Discrete Mathematics-I	UIT106DM23SC	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Communication I	UIT107BC23A	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Environmental Studies I	UIT108ES23V	2	2	Fully Attained	NA
	Indian Knowledge System	UIT109KS23K	2.5	2	Fully Attained	NA
	Co-Curricular Courses	UIT110CC23C	1.375	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Object Oriented Programming	UIT201OOP23MA	2	2	Fully Attained	NA
	Database Management Systems I	UIT202DMS23MA	2	2	Fully Attained	NA
	Programming and Application Development in Python	UIT203PAD23MI	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	IT platforms, Tools and Practices	UIT204ITP23O	2.25	2	Fully Attained	NA
	Data Analysis using Spreadsheets	UIT205DAS23O	2.25	2	Fully Attained	NA

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

II	Web Programming II	UIT206WP23VS	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Discrete Mathematics II	UIT207DM23SC	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Communication II	UIT208BC23A	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Environmental Studies II	UC209ES23V	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Co-Curricular Courses	UIT210CC23C	2	2	Fully Attained	NA
III	Descriptive Statistics	2231UISST	3.4	2	Fully Attained	NA
	Core Java	2232UISCJ	2.8	2	Fully Attained	NA
	Core Java Practical	2232UISCJP	2	2	Fully Attained	NA
	Data Structures	2233UISDS	2.8	2	Fully Attained	NA
	Data Structures Practical	2233UISDSP	3	2	Fully Attained	NA
	Computer Networks	2234UISCN	2.8	2	Fully Attained	NA
	Computer Networks Practical	2234UISCNP	3	2	Fully Attained	NA
	Database Management Systems- II	2235UISDB	2.8	2	Fully Attained	NA
	Database Management Systems- II Practical	2235UISDBP	2	2	Fully Attained	NA
	Advanced Web Programming – I	2236UISAW	4.6	2	Fully Attained	NA
	Advanced Web Programming – I Practical	2236UISAWP	2	2	Fully Attained	NA
	Hybrid Mobile Application Development – I	2236UISMD	3.2	2	Fully Attained	NA
	Hybrid Mobile Application Development – I Practical	2236UISMDP	3	2	Fully Attained	NA
	Computer Graphics and Animation	2236UISCG	2.4	2	Fully Attained	NA
	Computer Graphics and Animation Practical	2236UISCGP	2	2	Fully Attained	NA

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

IV	Probability Theory	2241UISPT	3.4	2	Fully Attained	NA
	Design Patterns	2242UISDP	2.8	2	Fully Attained	NA
	Design Patterns Practical	2242UISDPP	3	2	Fully Attained	NA
	Design and Analysis of Algorithms	2243UISDA	2.8	2	Fully Attained	NA
	Design and Analysis of Algorithms Practical	2243UISDAP	2	2	Fully Attained	NA
	System Programming	2244UISSP	2.4	2	Fully Attained	NA
	System Programming Practical	2244UISSPP	2	2	Fully Attained	NA
	Software Engineering	2245UISSE	2.8	2	Fully Attained	NA
	Software Engineering Practical	2245UISSEP	2	2	Fully Attained	NA
	Advanced Web Programming - II	2246UISAW	4.6	2	Fully Attained	NA
	Advanced Web Programming – II Practical	2246UISAWP	2	2	Fully Attained	NA
	Hybrid Mobile Application Development - II	2246UISMD	3.2	2	Fully Attained	NA
	Hybrid Mobile Application Development – II Practical	2246UISMDP	2	2	Fully Attained	NA
	Multimedia Systems	2246UISMS	2.8	2	Fully Attained	NA
	Multimedia Systems Practical	2246UISMSP	3	2	Fully Attained	NA
V	Principles of Artificial Intelligence	2351UITPA	2.4	2	Fully Attained	NA
	Principles of Artificial Intelligence Practical	2351UITPAP	2	2	Fully Attained	NA
	Data Mining and Warehousing	2352UITDW	2.8	2	Fully Attained	NA
	Data Mining and Warehousing Practical	2352UITDWP	3	2	Fully Attained	NA
	Geographic Information Systems	2353UITGS	2.8	2	Fully Attained	NA

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Geographic Information Systems Practical	2353UITGSP	3	2	Fully Attained	NA
	Foundations of Software Testing	2354UITST	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Foundations of Software Testing Practical	2354UITSTP	3	2	Fully Attained	NA
	Cloud Computing	2354UITCC	2.8	2	Fully Attained	NA
	Cloud Computing Practical	2354UITCCP	3	2	Fully Attained	NA
	Project Implementation	2355UITPI	2	2	Fully Attained	NA
VI	Information Security Management	2361UITIM	2.4	2	Fully Attained	NA
	Information Security Management Practical	2361UITIMP	3	2	Fully Attained	NA
	Business Intelligence	2362UITBI	3.4	2	Fully Attained	NA
	Business Intelligence Practical	2362UITBIP	3	2	Fully Attained	NA
	Remote Sensing	2363UITRS	2.4	2	Fully Attained	NA
	Remote Sensing Practical	2363UITRSP	3	2	Fully Attained	NA
	Project Management	2364UITPM	2.4	2	Fully Attained	NA
	Project Management Practical	2364UITPMP	0	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Project Implementation	2365UITPI	3	2	Fully Attained	NA
	Generic Elective(IIT Spoken Tutorial Programme)	236UGESTP	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
			2.44			

Table No. UG SF7.2a: PO Attainment Level- B. Sc. (Information Technology)-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2020-21	4	4	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG SF7.3: Results of CO-PO attainment-
B. Sc. (Information Technology)-B. Sc.(IT)-Academic Year 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
I	Introduction to Programming	UIT101IP23MA	2	2	2	2	2	2		2	2	2
	Operating Systems	UIT102OS23MA	3	3	3	3		3		3		3
	Fundamentals of Computers and Electronics	UIT103FCE23O	1.5	1.5	1.5	1.5		1.5		1.5		
	Making Effective Presentations	UIT104MEP23O							2.5	2.5	2.5	2.5
	Web Programming-I	UIT105WP23VS	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Discrete Mathematics-I	UIT106DM23SC	1.5	1.5	1.5		1.5	1.5				
	Business Communication I	UIT107BC23A								1.5	1.5	1.5
	Environmental Studies I	UIT108ES23V								2	2	2
	Indian Knowledge System	UIT109KS23K								2.5	2.5	2.5

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Co-Curricular Courses	UIT110CC23C								1.375	1.375	1.375
II	Object Oriented Programming	UIT201OOP23MA	2	2	2	2		2	2	2	2	2
	Database Management Systems I	UIT202DMS23MA	2	2	2	2	2		2	2		2
	Programming and Application Development in Python	UIT203PAD23MI	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		1.5
	IT platforms, Tools and Practices	UIT204ITP23O	2.25	2.25	2.25	2.25	2.25		2.25	2.25	2.25	2.25
	Data Analysis using Spreadsheets	UIT205DAS23O					2.25	2.25	2.25	2.25	2.25	2.25
	Web Programming II	UIT206WP23VS	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
	Discrete Mathematics II	UIT207DM23SC	1.75	1.75	1.75		1.75	1.75				
	Business Communication II	UIT208BC23A								1.75	1.75	1.75
	Environmental Studies II	UC209ES23V								1.75	1.75	1.75
	Co-Curricular Courses	UIT210CC23C								2	2	2
III	Descriptive Statistics	2231UISST	3.4	3.4	3.4	3.4	3.4	3.4				
	Core Java	2232UISCJ	2.8	2.8	2.8					2.8	2.8	2.8
	Core Java Practical	2232UISCJP	2	2	2					2	2	2
	Data Structures	2233UISDS	2.8	2.8	2.8		2.8			2.8		2.8
	Data Structures Practical	2233UISDSP	3	3	3		3			3		3
	Computer Networks	2234UISCN	2.8	2.8	2.8				2.8	2.8		2.8
	Computer Networks Practical	2234UISCNP	3	3	3				3	3		3
	Database Management Systems-II	2235UISDB	2.8	2.8	2.8					2.8	2.8	2.8
	Database Management Systems-II Practical	2235UISDBP	2	2	2					2	2	2
	Advanced Web Programming – I	2236UISAW	4.6	4.6	4.6					4.6		4.6
	Advanced Web Programming – I Practical	2236UISAWP	2	2	2					2		2
	Hybrid Mobile Application Development – I	2236UISMD	3.2	3.2	3.2	3.2				3.2	3.2	3.2
	Hybrid Mobile Application Development – I Practical	2236UISMDP	3	3	3	3				3		3
	Computer Graphics and Animation	2236UISCG	2.4	2.4	2.4	2.4	2.4	2.4		2.4		2.4

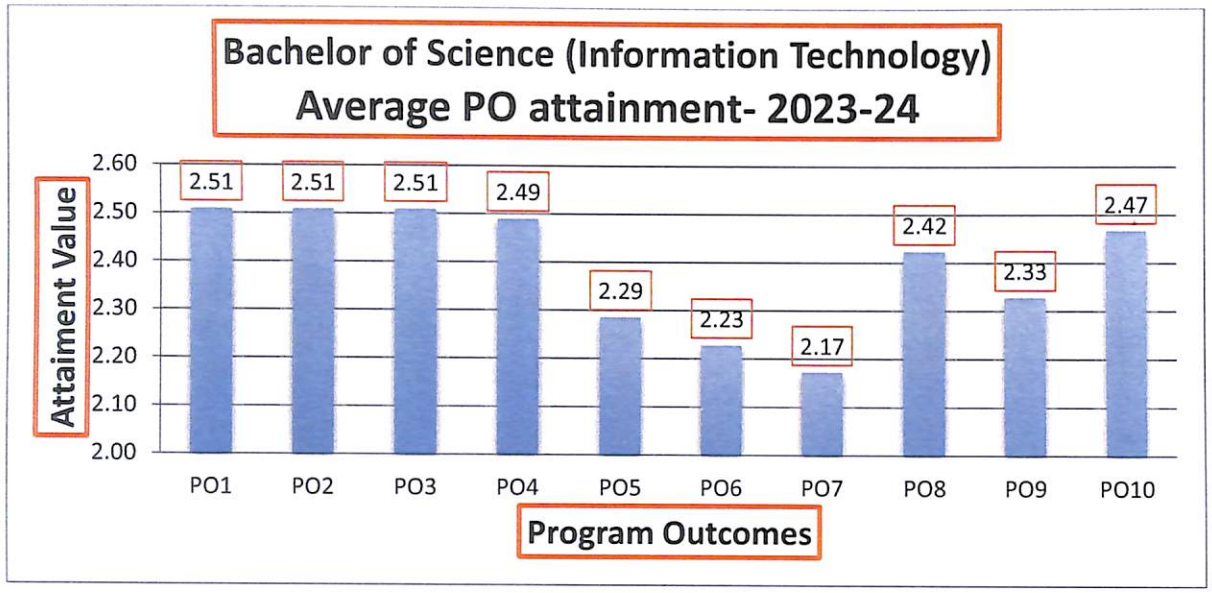
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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Computer Graphics and Animation Practical	2236UISCGP	2	2	2	2	2	2		2		2
IV	Probability Theory	2241UISPT	3.4	3.4	3.4	3.4	3.4	3.4		3.4		3.4
	Design Patterns	2242UISDP	2.8	2.8	2.8	2.8		2.8		2.8		
	Design Patterns Practical	2242UISDPP	3	3	3	3		3		3		
	Design and Analysis of Algorithms	2243UISDA	2.8	2.8	2.8	2.8	2.8	2.8		2.8	2.8	2.8
	Design and Analysis of Algorithms Practical	2243UISDAP	2	2	2	2	2	2		2	2	2
	System Programming	2244UISSP	2.4	2.4	2.4	2.4				2.4		2.4
	System Programming Practical	2244UISSPP	2	2	2	2				2		2
	Software Engineering	2245UISSE	2.8	2.8	2.8	2.8	2.8			2.8		2.8
	Software Engineering Practical	2245UISSEP	2	2	2	2	2			2		2
	Advanced Web Programming - II	2246UISAW	4.6	4.6	4.6	4.6						4.6
	Advanced Web Programming – II Practical	2246UISAWP	2	2	2	2						2
	Hybrid Mobile Application Development - II	2246UISMD	3.2	3.2	3.2	3.2				3.2	3.2	3.2
	Hybrid Mobile Application Development – II Practical	2246UISMDP	2	2	2	2				2	2	2
	Multimedia Systems	2246UISMS	2.8	2.8	2.8	2.8			2.8	2.8		2..8
	Multimedia Systems Practical	2246UISMSP	3	3	3	3			3	3		3
V	Principles of Artificial Intelligence	2351UITPA	2.4	2.4	2.4	2.4				2.4	2.4	2.4
	Principles of Artificial Intelligence Practical	2351UITPAP	2	2	2	2				2	2	2
	Data Mining and Warehousing	2352UITDW	2.8	2.8	2.8	2.8				2.8	2.8	2.8
	Data Mining and Warehousing Practical	2352UITDWP	3	3	3	3				3	3	3
	Geographic Information Systems	2353UITGS	2.8	2.8	2.8	2.8	2.8	2.8		2.8	2.8	2.8
	Geographic Information Systems Practical	2353UITGSP	3	3	3	3	3	3		3	3	3
	Foundations of Software Testing	2354UITST	1.8	1.8	1.8	1.8				1.8	1.8	1.8

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Foundations of Software Testing Practical	2354UITSTP	3	3	3	3				3	3	3
	Cloud Computing	2354UITCC	2.8	2.8	2.8	2.8				2.8	2.8	2.8
	Cloud Computing Practical	2354UITCCP	3	3	3	3				3	3	3
	Project Implementation	2355UITPI	2	2	2	2	2	2	2	2	2	2
VI	Information Security Management	2361UITIM	2.4	2.4	2.4	2.4				2.4	2.4	2.4
	Information Security Management Practical	2361UITIMP	3	3	3	3				3	3	3
	Business Intelligence	2362UITBI	3.4	3.4	3.4	3.4				3.4	3.4	3.4
	Business Intelligence Practical	2362UITBIP	3	3	3	3				3	3	3
	Remote Sensing	2363UITRS	2.4	2.4	2.4	2.4	2.4	2.4		2.4	2.4	2.4
	Remote Sensing Practical	2363UITRSP	3	3	3	3	3	3		3	3	3
	Project Management	2364UITPM	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	Project Management Practical	2364UITPMP	0	0	0	0	0	0	0	0	0	0
	Project Implementation	2365UITPI	3	3	3	3	3	3	3	3	3	3
	Generic Elective(IIT Spoken Tutorial Programme)	236UGESTP	1	1	1	1		1		1		
			2.51	2.51	2.51	2.49	2.29	2.23	2.17	2.42	2.33	2.47

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From above graph, it is observed that average PO attainment value for all but three of the program outcome is greater than 2.5. It means, PO attainment by corresponding courses is at Very Good (value between 1.5 to 2.0).

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
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(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

ANNEXTURE UG SF8
Bachelor of Management Studies in E-Commerce Operations

Table No. UG SF8.1: PO CO Mapping Matrix: BMS. (E-Commerce)
Academic Year – 2023-24

Sem	Course	Course Code	PO1	PO 2	PO3	PO4	PO5	PO6
Sem I	Fundamentals of Inventory Management	UEO101IM23MA	*		*	*	*	*
	Introduction to E Commerce Logistics	UEO102EL23MA	*	*	*		*	
	Introduction to Statistics for Data Analysis	UEO103DA23O	*	*	*		*	
	Basics of Financial Accounting Statements	UEO104FAS23O	*	*			*	*
	Word and Presentation Tools	UEO105WPT23VS	*	*	*			
	Organizational Behaviour	UEO106OB23SC	*	*		*	*	
	Business Communication I	UEO107BC23A	*	*	*	*		*
	Environmental Studies I	UEO108ES23V				*		
	IKS	UEO109KS23K				*		
	Co-Curricular Courses	UEO110CC23C				*		
Sem II	Fundamentals of Warehouse Management	UEO201WM23MA	*		*	*	*	*
	Fundamentals of Material Handling	UEO202MH23MA	*	*		*	*	*
	First Mile Operations	UEO203FMO23MI	*	*			*	*
	Principles and Practices of Banking and Insurance	UEO204PP23O			*	*		
	Introduction to Quantitative Techniques	UEO205QT23O	*	*			*	
	Data Analysis using Spreadsheet	UEO206DA23VS	*	*	*		*	*

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
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(AUTONOMOUS)
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	Foundation Course	UEO207FC23SC			*	*		
	Business Communication II	UEO208BC23A	*	*	*	*		*
	EVS II	UEO209ES23V				*		
	Co-Curricular Courses	UEO210CC23C				*		
Sem III	Cost Accounting	2131UEOCA	*	*			*	
	Marketing Management	2132UEOMM	*		*	*		*
	MIS for E Commerce	2133UEOMS	*		*		*	*
	E Commerce Logistics Operations	2134UEOLO	*		*		*	*
	Transportation for E Commerce	2135UEOTEC	*	*			*	*
	Reverse Logistics for E Commerce	2136UEORLC	*			*	*	*
	Last Mile Operations	2137UEOLMO	*	*			*	*
Sem IV	Management Accounting	2141UEOMA	*	*		*	*	
	Human Resources Management	2142UEOHRM	*	*	*	*		*
	Hub & Line Operations	2143UEOHLO	*	*		*		*
	E Commerce Customer Service	2144UEOCS	*	*		*	*	*
	Outsourcing in E Commerce	2145UEOOS	*				*	*
	Fulfilment Operations	2146UEOFO	*				*	
	Packaging for E Commerce	2147UEOPEC	*	*		*		*
Sem V	Entrepreneurship	2251UEOER	*	*	*	*	*	*
	GIS Applications in Logistics	2252UEOGL	*		*		*	*
	Digital Marketing	2253UEODM	*	*	*	*	*	*
	Soft Skills for Professionals	2254UEOSS	*	*	*	*	*	*

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Retailing and Store Operations	2255UEORS			*	*	*	*
	Sales and Distribution Management	2255UEOSD			*	*	*	*
	Analytical Skills for Managers	2256UEOAS	*	*			*	*
Sem VI	Brand Management	2261UEOBM			*	*	*	*
	Internship	2262UEOIP	*	*	*	*	*	*

Table No. UG SF8.2: CO Attainment Level: Bachelor of Management Studies in E-Commerce Operations

Semester	Course	Course code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Fundamentals of Inventory Management	UEO101IM23MA	3	2	Fully Attained	NA
	Introduction to E Commerce Logistics	UEO102EL23MA	5	2	Fully Attained	NA
	Introduction to Statistics for Data Analysis	UEO103DA23O	1	2	Fully Attained	NA
	Basics of Financial Accounting Statements	UEO104FAS23O	1	2	Fully Attained	NA
	Word and Presentation Tools	UEO105WPT23VS	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Organizational Behaviour	UEO106OB23SC	1.25	2		
	Business Communication I	UEO107BC23A	1.25	2		
	Environmental Studies I	UEO108ES23V	1.75	2		
	IKS	UEO109KS23K	1.75	2		
	Co-Curricular Courses	UEO110CC23C	2	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W) MUMBAI - 400 064.

II	Fundamentals of Warehouse Management	UEO201WM23MA	2	2	Fully Attained	NA
	Fundamentals of Material Handling	UEO202MH23MA	2.5	2	Fully Attained	NA
	First Mile Operations	UEO203FMO23MI	1	2	Fully Attained	NA
	Principles and Practices of Banking and Insurance	UEO204PP23O	1.25	2	Fully Attained	NA
	Introduction to Quantitative Techniques	UEO205QT23O	1.75	2	Fully Attained	NA
	Data Analysis using Spreadsheet	UEO206DA23VS	1.25	2	Fully Attained	NA
	Foundation Course	UEO207FC23SC	1	2	Fully Attained	NA
	Business Communication II	UEO208BC23A	1.25	2		
	EVS II	UEO209ES23V	2	2		
	Co-Curricular Courses	UEO210CC23C	1.875	2		
III	Cost Accounting	2131UEOCA	2.4	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Marketing Management	2132UEOMM	2.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	MIS for E Commerce	2133UEOMS	2.8	2	Fully Attained	NA
	E Commerce Logistics Operations	2134UEOLO	4	2	Fully Attained	NA
	Transportation for E Commerce	2135UEOTEC	4	2	Fully Attained	NA
	Reverse Logistics for E Commerce	2136UEORLC	4	2	Not Attained	Assignments, tutorials, exercises and remedial

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

						coaching shall be planned.
	Last Mile Operations	2137UEOLMO	4	2	Fully Attained	NA
IV	Management Accounting	2141UEOMA	3.4	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Human Resources Management	2142UEOHRM	2.4	2	Fully Attained	NA
	Hub & Line Operations	2143UEOHLO	3.4	2	Fully Attained	NA
	E Commerce Customer Service	2144UEOCS	4	2	Fully Attained	NA
	Outsourcing in E Commerce	2145UEOOS	4.2	2	Fully Attained	NA
	Fulfilment Operations	2146UEOFO	3.2	2	Fully Attained	NA
	Packaging for E Commerce	2147UEOPEC	2.4	2	Fully Attained	NA
V	Entrepreneurship	2251UEOER	3	2	Fully Attained	NA
	GIS Applications in Logistics	2252UEOGL	3.8	2	Fully Attained	NA
	Digital Marketing	2253UEODM	3.4	2	Fully Attained	NA
	Soft Skills for Professionals	2254UEOSS	2	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Retailing and Store Operations	2255UEORS	2.8	2	Not Attained	
	Sales and Distribution Management	2255UEOSD	NA	2	NA	NA
	Analytical Skills for Managers	2256UEOAS	3.2	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
VI	Brand Management	2261UEOBM	2.4	2	Not Attained	Assignments, tutorials, exercises and

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064

						remedial coaching shall be planned.
	Internship	2262UEOIP	4	2	Fully Attained	NA
		Average	**2.54**	2		

Table No. UG SF8.2a: PO Attainment Level- Bachelor of Management Studies in E-Commerce Operations - 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	5	4	Fully Attained	NA
A2023-24	5	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG SF8.3: Results of CO-PO attainment- Bachelor of Management Studies in E-Commerce Operations -Academic Year 2023-24

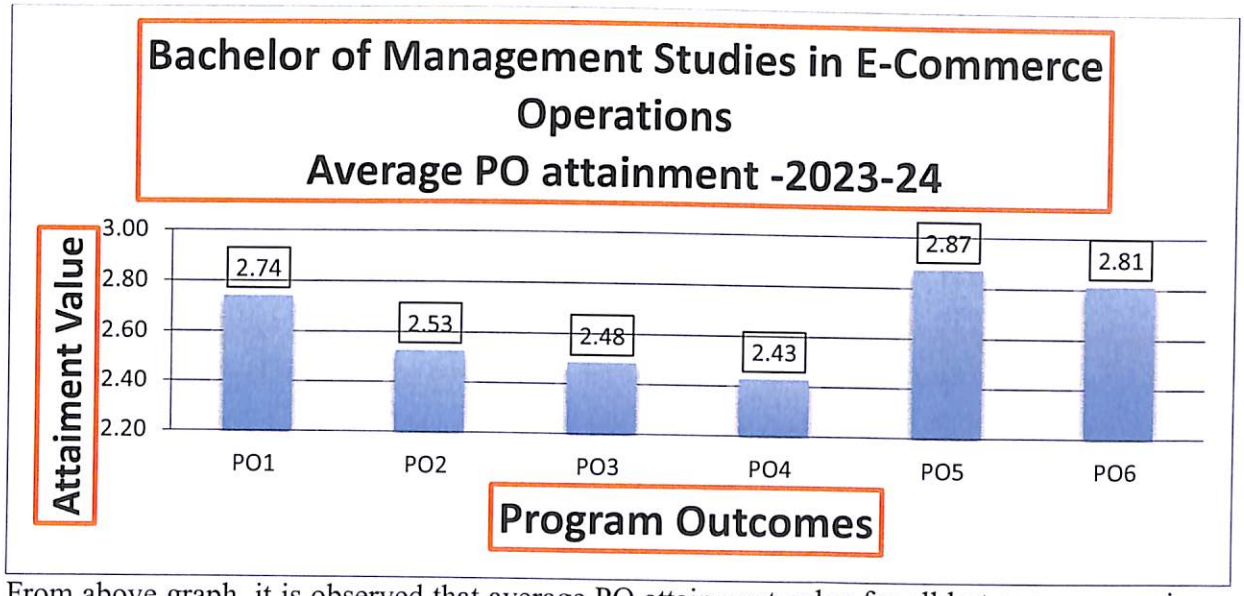
Sem	Course	Course Code	PO1	PO 2	PO3	PO4	PO5	PO6
Sem I	Fundamentals of Inventory Management	UEO101IM23MA	3		3	3	3	3
	Introduction to E Commerce Logistics	UEO102EL23MA	5	5	5		5	
	Introduction to Statistics for Data Analysis	UEO103DA23O	1	1	1		1	
	Basics of Financial Accounting Statements	UEO104FAS23O	1	1			1	1
	Word and Presentation Tools	UEO105WPT23VS	1.75	1.75	1.75			
	Organizational Behaviour	UEO106OB23SC	1.25	1.25		1.25	1.25	
	Business Communication I	UEO107BC23A	1.25	1.25	1.25	1.25		1.25
	Environmental Studies I	UEO108ES23V				2.25		
	IKS	UEO109KS23K				1.75		
	Co-Curricular Courses	UEO110CC23C				1.75		
Sem II	Fundamentals of Warehouse Management	UEO201WM23MA	2		2	2	2	2
	Fundamentals of Material Handling	UEO202MH23MA	2.5	2.5		2.5	2.5	2.5
	First Mile Operations	UEO203FMO23MI	1	1			1	1

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE ARTS & MANAGEMENT STUDIES AND SHANTABEN NAGINDAS KHANDWALA COLLEGE OF SCIENCE (AUTONOMOUS)
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	Principles and Practices of Banking and Insurance	UEO204PP23O			1.25	1.25		
	Introduction to Quantitative Techniques	UEO205QT23O	1.75	1.75			1.75	
	Data Analysis using Spreadsheet	UEO206DA23VS	1.25	1.25	1.25		1.25	1.25
	Foundation Course	UEO207FC23SC			1	1		
	Business Communication II	UEO208BC23A	1.25	1.25	1.25	1.25		1.25
	EVS II	UEO209ES23V				2		
	Co-Curricular Courses	UEO210CC23C				1.875		
Sem III	Cost Accounting	2131UEOCA	2.4	2.4			2.4	
	Marketing Management	2132UEOMM	2.8		2.8	2.8		2.8
	MIS for E Commerce	2133UEOMS	2.8		2.8		2.8	2.8
	E Commerce Logistics Operations	2134UEOLO	4		4		4	4
	Transportation for E Commerce	2135UEOTEC	4	4			4	4
	Reverse Logistics for E Commerce	2136UEORLC	4			4	4	4
	Last Mile Operations	2137UEOLMO	4	4			4	4
Sem IV	Management Accounting	2141UEOMA	3.4	3.4		3.4	3.4	
	Human Resources Management	2142UEOHRM	2.4	2.4	2.4	2.4		2.4
	Hub & Line Operations	2143UEOHLO	3.4	3.4		3.4		3.4
	E Commerce Customer Service	2144UEOCS	4	4		4	4	4
	Outsourcing in E Commerce	2145UEOOS	4.2				4.2	4.2
	Fulfilment Operations	2146UEOFO	3.2				3.2	
	Packaging for E Commerce	2147UEOPEC	2.4	2.4		2.4		2.4
Sem V	Entrepreneurship	2251UEOER	3	3	3	3	3	3
	GIS Applications in Logistics	2252UEOGL	3.8		3.8		3.8	3.8
	Digital Marketing	2253UEODM	3.4	3.4	3.4	3.4	3.4	3.4
	Soft Skills for Professionals	2254UEOSS	2	2	2	2	2	2
	Retailing and Store Operations	2255UEORS			2.8	2.8	2.8	2.8
	Sales and Distribution Management	2255UEOSD			NA	NA	NA	NA
	Analytical Skills for Managers	2256UEOAS	3.2	3.2			3.2	3.2

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Sem VI	Brand Management	2261UEOBM			2.4	2.4	2.4	2.4
	Internship	2262UEOIP	4	4	4	4	4	4
		AVERAGE						



From above graph, it is observed that average PO attainment value for all but one program is greater than 2.0. It means, PO attainment by corresponding courses is at Excellent level (value above 2.5).

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
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ANNEXURE UG A1

Bachelor of Commerce -Honors In (International Accounting) - B.Com. Honors In (International Accounting):

Table No. UG A1.1: PO CO Mapping Matrix: B.Com. Honors In (International Accounting)
Academic Year – 2023-24

Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6
1	MANAGEMENT ACCOUNTING- I	UCHIB101MA23MA	*	*			*	
	MANAGEMENT ACCOUNTING- II	UCHIB102MA23MA		*				
	CAPITAL MARKET	UCHIB103CM23O	*			*	*	
	BUSINESS & TECHNOLOGY -I	UCHIB105BT23VS	*	*				
	BUSINESS & TECHNOLOGY -II	UCHIB106BT23SC	*				*	
	BUSINESS COMMUNICATION	UCHIB107BC23A		*	*			
	INDIAN KNOWLEDGE SYSTEM	UCHIB109KS23K						*
	ENVIRONMENTAL STUDIES	UCHIB108ES23V						*
	CO-CURRICULAR (HEALTH AND WELLNESS)	UCHIB110HW23C						*
2	PERFORMANCE MANAGEMENT - I	UCHIB 201 PM 23 MA	*	*			*	
	PERFORMANCE MANAGEMENT - II	UCHIB 202 PM 23 MA	*	*			*	
	EQUITY DERIVATIVES	UCHIB 203 ED 23 MI	*					*
	SALES AND NEGOTIATION SKILS	UCHIB 205 SNS 23 O	*					
	FINANCIAL ACCOUNTING - I	UCHIB 206 FA 23 VS	*	*			*	
	FINANCIAL ACCOUNTING - II	UCHIB 207 FA 23 SC	*	*			*	

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
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(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	GROUP COMMUNICATION	UCHIB 208 GC 23 A		*	*			
	DIGITAL AND TECHNOLOGICAL SOLUTIONS	UCHIB 209 DTS 23 V	*		*			
	CO-CURRICULAR (HEALTH AND WELLNESS)	UCHIB 210 HW 23 C						*
3	TAXATION	2131UCHITX	*				*	
	FINANCIAL REPORTING (PART 1)	2132UCHIFR	*				*	
	FINANCIAL REPORTING (PART 2)	2133UCHIFR	*				*	
	CORPORATE AND BUSINESS LAW	2234UCHIBL	*				*	
	TAX PLANNING	2135UCHITP		*			*	
	EXCEL AND ADVANCED EXCEL	2236UCHIEA		*				
4	AUDIT AND ASSURANCE (PART 1)	2241UCHIAA				*	*	
	AUDIT AND ASSURANCE (PART 2)	2142UCHIAA				*	*	
	FINANCIAL MANAGEMENT (PART 1)	2143UCHIFM	*				*	
	FINANCIAL MANAGEMENT (PART 2)	2144UCHIFM	*				*	
	INTERNSHIP	2245UCHIIS					*	
	FINANCIAL MODELLING	2246UCHIFM			*	*		
5	STRATEGIC BUSINESS REPORTING (PART 1)	2251UCHIBR		*			*	

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
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	STRATEGIC BUSINESS REPORTING (PART 2)	2252UCHIBR		*			*	
	BUSINESS RESEARCH METHODS	2253UCHIRM		*	*			
	COMPANIES ACT, 2013	2254UCHICA	*					
	ADVANCE PERFORMANCE MANAGEMENT	2254UCHIPM		*			*	
6	STRATEGIC BUSINESS LEADER (PART 1)	2261UCHIBL		*	*		*	
	STRATEGIC BUSINESS LEADER (PART 2)	2262UCHIBL		*	*		*	
	RESEARCH - PROJECT WORK	2263UCHIBR		*				
	ADVANCE FINANCIAL MANAGEMENT	2264UCHIFM		*			*	
	GOOD & SERVICES TAX	2264UCHIGS					*	

UG A1.2: CO Attainment Level - B.Com. Honors In (International Accounting)- Academic Year 2023-24

Semester	Course	Course code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	MANAGEMENT ACCOUNTING -I	UCHIB101MA23MA	3.00	2	Fully Attained	NA
	MANAGEMENT ACCOUNTING -II	UCHIB102MA23MA	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	CAPITAL MARKET	UCHIB103CM23O	3.50	2	Fully Attained	NA
	BUSINESS & TECHNOLOGY- I	UCHIB105BT23VS	1.50	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	BUSINESS & TECHNOLOGY -II	UCHIB106BT 23SC	2.00	2	Fully Attained	NA
	BUSINESS COMMUNICATIO N	UCHIB107BC 23A	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	INDIAN KNOWLEDGE SYSTEM	UCHIB109KS 23K	2.25	2	Fully Attained	NA
	ENVIRONMENTA L STUDIES	UCHIB108ES 23V	2.25	2	Fully Attained	NA
	CO-CURRICULAR (HEALTH AND WELLNESS)	UCHIB110H W23C	1.50	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
II	PERFORMANC E MANAGEMEN T- I	UCHIB 201 PM 23 MA	3.50	2	Fully Attained	NA
	PERFORMANC E MANAGEMEN T -II	UCHIB 202 PM 23 MA	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	EQUITY DERIVATIVES	UCHIB 203 ED 23 MI	2.25	2	Fully Attained	NA
	SALES AND NEGOTIATION SKILS	UCHIB 205 SNS 23 O	3.50	2	Fully Attained	NA
	FINANCIAL ACCOUNTING- I	UCHIB 206 FA 23 VS	1.50	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	FINANCIAL ACCOUNTING -II	UCHIB 207 FA 23 SC	2.00	2	Fully Attained	NA
	GROUP COMMUNICAT ION	UCHIB 208 GC 23 A	2.00	2	Fully Attained	NA
	DIGITAL AND TECHNOLOGI CAL	UCHIB 209 DTS 23 V	2.50	2	Fully Attained	NA

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	SOLUTIONS					
	CO-CURRICULAR (HEALTH AND WELLNESS)	UCHIB 210 HW 23 C	2.50	2	Fully Attained	NA
III	TAXATION	2131UCHITX	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	FINANCIAL REPORTING (PART 1)	2132UCHIFR	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	FINANCIAL REPORTING (PART2)	2133UCHIFR	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	CORPORATE AND BUSINESS LAW	2234UCHIBL	2	2	Fully Attained	NA
	TAX PLANNING	2135UCHITP	2.4	2	Fully Attained	NA
	EXCEL AND ADVANCED EXCEL	2236UCHIEA	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
IV	AUDIT AND ASSURANCE (PART 1)	2241UCHIAA	2	2	Fully Attained	NA
	AUDIT AND ASSURANCE (PART 2)	2142UCHIAA	2	2	Fully Attained	NA
	FINANCIAL MANAGEMENT (PART 1)	2143UCHIFM	1.2	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	FINANCIAL MANAGEMENT (PART 2)	2144UCHIFM	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

						remedial coaching shall be planned.
	INTERNSHIP	2245UCHIIS	2.6	2	Fully Attained	NA
	FINANCIAL MODELLING	2246UCHIFM	2.6	2	Fully Attained	NA
V	STRATEGIC BUSINESS REPORTING (PART 1)	2251UCHIBR	2	2	Fully Attained	NA
	STRATEGIC BUSINESS REPORTING (PART 2)	2252UCHIBR	3	2	Fully Attained	NA
	BUSINESS RESEARCH METHODS	2253UCHIRM	4	2	Fully Attained	NA
	COMPANIES ACT, 2013	2254UCHICA	2.20	2	Fully Attained	NA
	ADVANCE PERFORMANCE MANAGEMENT	2254UCHIPM	4.20	2	Fully Attained	NA
VI	STRATEGIC BUSINESS LEADER (PART 1)	2261UCHIBL	2.4	2	Fully Attained	NA
	STRATEGIC BUSINESS LEADER (PART 2)	2262UCHIBL	2.2	2	Fully Attained	NA
	RESEARCH - PROJECT WORK	2263UCHIBR	2	2	Fully Attained	NA
	ADVANCE FINANCIAL MANAGEMENT	2264UCHIFM	2.4	2	Fully Attained	NA
	GOOD & SERVICES TAX	2264UCHIGS	3	2	Fully Attained	NA
		Average	2.23			
NA: Not Applicable as target level is fully attained.						

Table No. UG A1.2a: Results of CO-PO attainment-
B.Com. Honors In (International Accounting)
Academic Year – 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
2020-21	4	4	Fully Attained	NA
2021-22	4	4	Fully Attained	NA

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

2022-23	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG A1.3: Results of CO-PO attainment-
B.Com. Honors In (International Accounting)
Academic Year – 2023-24

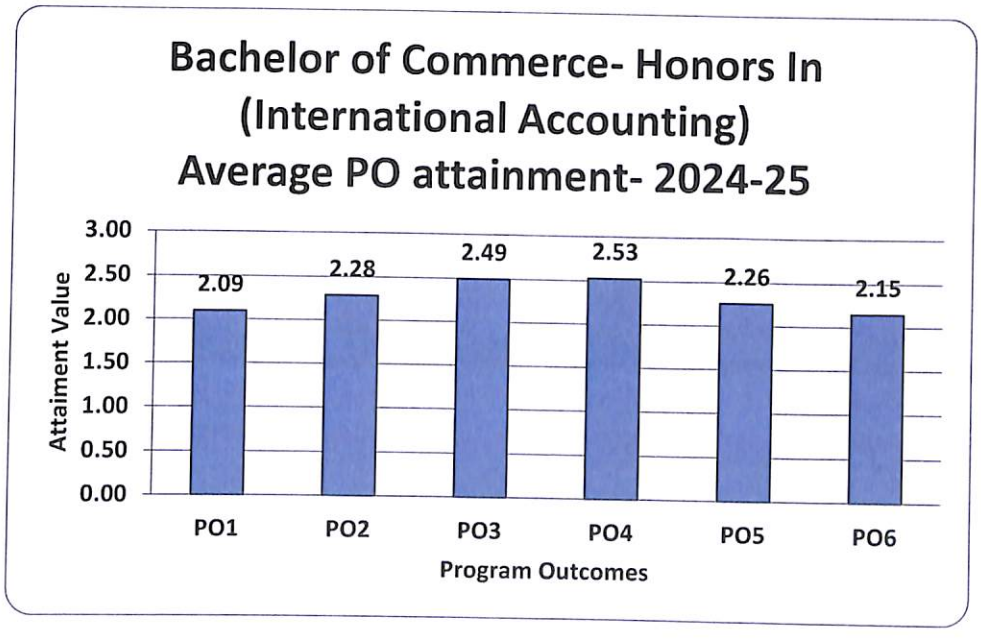
Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO6
1	MANAGEMENT ACCOUNTING - I	UCHIB101MA23MA	3	3			3	
	MANAGEMENT ACCOUNTING - II	UCHIB102MA23MA		1.25				
	CAPITAL MARKET	UCHIB103CM23O	3.50			3.50	3.50	
	BUSINESS & TECHNOLOGY - I	UCHIB105BT23VS.	1.50	1.50				
	BUSINESS & TECHNOLOGY - II	UCHIB106BT23SC	2					
	BUSINESS COMMUNICATION	UCHIB107BC23A		1.75	1.75			
	INDIAN KNOWLEDGE SYSTEM	UCHIB109KS23K						2.25
	ENVIRONMENTAL STUDIES	UCHIB108ES23V						2.25
	CO-CURRICULAR (HEALTH AND WELLNESS)	UCHIB110HW23C						1.50
2	PERFORMANCE MANAGEMENT - I	UCHIB 201 PM 23 MA	3.50	3.50			3.50	
	PERFORMANCE MANAGEMENT - II	UCHIB 202 PM 23 MA	1.25	1.25			1.25	
	EQUITY DERIVATIVES	UCHIB 203 ED 23 MI	2.25					2.25
	SALES AND NEGOTIATION SKILS	UCHIB 205 SNS 23 O	3.50					
	FINANCIAL ACCOUNTING - I	UCHIB 206 FA 23 VS	1.50	1.50			1.50	
	FINANCIAL	UCHIB 207	2.00	2.00			2.00	

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W). MUMBAI - 400 064.

	ACCOUNTING - II	FA 23 SC						
	GROUP COMMUNICATION	UCHIB 208 GC 23 A		2.00	2.00			
	DIGITAL AND TECHNOLOGICAL SOLUTIONS	UCHIB 209 DTS 23 V	2.50		2.50			
	CO-CURRICULAR (HEALTH AND WELLNESS)	UCHIB 210 HW 23 C						2.50
3	TAXATION	2131UCHITX	1				1	
	FINANCIAL REPORTING (PART 1)	2132UCHIFR	1.4				1.4	
	FINANCIAL REPORTING (PART 2)	2133UCHIFR	1.8				1.8	
	CORPORATE AND BUSINESS LAW	2234UCHIBL	2				2	
	TAX PLANNING	2135UCHITP		2.4			2.4	
	EXCEL AND ADVANCED EXCEL	2236UCHIEA		1				
4	AUDIT AND ASSURANCE (PART 1)	2241UCHIAA				2	2	
	AUDIT AND ASSURANCE (PART 2)	2142UCHIAA				2	2	
	FINANCIAL MANAGEMENT (PART 1)	2143UCHIFM	1.2				1.2	
	FINANCIAL MANAGEMENT (PART 2)	2144UCHIFM	1.6				1.6	
	INTERNSHIP	2245UCHIIS					2.6	
	FINANCIAL MODELLING	2246UCHIFM			2.6	2.6		
5	STRATEGIC BUSINESS REPORTING (PART 1)	2251UCHIBR		2			2	
	STRATEGIC BUSINESS REPORTING (PART 2)	2252UCHIBR		3			3	
	BUSINESS RESEARCH METHODS	2253UCHIRM		4	4			
	COMPANIES ACT, 2013	2254UCHICA	2.20					
	ADVANCE PERFORMANCE MANAGEMENT	2254UCHIPM		4.20			4.20	
6	STRATEGIC	2261UCHIB		2.4	2.4		2.4	

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	BUSINESS LEADER (PART 1)	L						
	STRATEGIC BUSINESS LEADER (PART 2)	2262UCHIBL		2.2	2.2		2.2	
	RESEARCH - PROJECT WORK	2263UCHIBR		2				
	ADVANCE FINANCIAL MANAGEMENT	2264UCHIFM		2.4			2.4	
	GOOD & SERVICES TAX	2264UCHIGS					3	
	Average		2.09	2.28	2.49	2.53	2.26	2.15



From above graph, it is observed that average PO attainment value for one of the program outcome is greater than 2.5. It means, PO attainment by corresponding courses is at Very Good level (value between 2 to 2.5).

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
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ANNEXTURE UG A2
B.A.(Hons.) in Apparel Design and Construction

Table No. UG A2.1: PO CO Mapping Matrix:
B.A.(Hons.) in Apparel Design and Construction : Academic Year – 2023-24

SEMESTER	SUBJECT	COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7
SEM 1	FASHION STUDIES AND ILLUSTRATION – I	UHD101FSI 23MA	*	*	*		*		*
	INTRODUCTION TO PATTERN MAKING AND APPAREL CONSTRUCTION	UHD102IP MC23MA	*	*	*		*	*	*
	HISTORY OF INDIAN COSTUMES AND TEXTILES	UHD103HC T23O	*	*		*	*		
	FUNDAMENTAL TEXTILE - I	UHD104FT 23O	*	*	*		*	*	*
	FASHION COORDINATION - I	UHD105FC 23VS	*	*	*		*		*
	PATTERN MAKING AND APPAREL CONSTRUCTION – KIDS WEAR	UHD106PM K23SC	*	*	*		*	*	*
	BUSINESS COMMUNICATION	UHD107BC 23A				*		*	
	ENVIRONMENTAL STUDIES	UHD108ES 23V						*	
	INDIAN KNOWLEDGE SYSTEM	UHD109KS 23K						*	
	CO-CURRICULAR ACTIVITY	UHD110CC 23C						*	
SEM 2	FASHION STUDIES AND ILLUSTRATION - II	UHD201FSI 23MA	*	*	*		*		*
	PATTERN MAKING AND APPAREL CONSTRUCTION – WOMEN'S WEAR I	UHD202PM W23MA	*	*	*		*	*	*
	MARKETING MANAGEMENT	UHD203M M23MI					*	*	*

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
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	HISTORY OF WORLD COSTUMES	UHD204HWC23O	*	*		*	*		
	FUNDAMENTAL TEXTILE - II	UHD205FT23O	*	*	*		*	*	*
	FASHION COORDINATION - II	UHD206FC23VS	*	*	*		*		*
	PATTERN MAKING AND APPAREL CONSTRUCTION – WOMEN'S WEAR II	UHD207PMW23SC	*	*	*		*	*	*
	PERSONALITY DEVELOPMENT	UHD208PD23A				*		*	*
	FABRIC PAINTING	UHD209FP23V	*	*	*		*		*
	CO-CURRICULAR ACTIVITY	UHD210CC23C						*	
SEM 3	TEXTILE CRAFTS	2231UADHTC	*	*	*		*		*
	BASICS IN PHOTOGRAPHY AND VIDEOGRAPHY	2232UADHPG		*		*			*
	COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2233UADHCD	*		*	*	*		*
	ADVANCED APPAREL CONSTRUCTION - WOMEN'S WEAR	2234UADHAC	*	*	*		*	*	*
	ADVANCED FASHION STUDIES AND ILLUSTRATION	2235UADHFS	*	*	*		*		*
	TEXTILE DESIGN	2236UADHTD	*	*	*		*		*
	ELEMENTS OF HAND KNITTING	2236UADHEH	*	*	*		*		*
SEM 4	FASHION EVENT MANAGEMENT	2241UADHEM				*		*	
	JEWELRY MAKING	2242UADHJM		*	*				

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	DRAPING AND ADVANCED DRAPING	2243UADHAD	*	*	*		*		*
	DESIGN PROCESS AND CRAFT RESEARCH	2244UADHDP	*	*			*		*
	INDIAN EMBROIDERY	2245UADHIE	*	*	*		*		*
	MACHINE EMBROIDERY	2245UADHME	*	*	*	*	*		*
	ADVANCED COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2246UADHCD	*		*	*	*		*
SEM 5	COMPUTER AIDED MANUFACTURING TECHNIQUES	2351UADHCM	*			*			
	ADVANCED APPAREL CONSTRUCTION MENS WEAR AND HIGH FASHION GARMENTS	2352UADHAC	*	*	*		*	*	*
	FASHION RETAIL AND E TAIL	2353UADHRE				*		*	*
	INTERNSHIP PROJECT	2354UADHIP	*					*	*
SEM 6	MERCHANDISING	2361UADHMD				*		*	*
	FASHION SHOW PROJECT	2362UADHFP	*	*	*	*		*	*
	FASHION BRANDING	2363UADHFB						*	*
	PORTFOLIO AND DIGITAL PORTFOLIO	2364UADHPD	*	*	*	*		*	*

Table No. UG A2.2: CO Attainment Level: B.A.(Hons.) in Apparel Design and Construction
Academic Year - 2023-24

Semester	Course	Course Code	CO Attainm	Attainment	Fully Attained	Remedial Measures

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			ent value	Target Level	/ Not Attained	
I	FASHION STUDIES AND ILLUSTRATION – I	UHD101FSI23MA	2	2	Fully Attained	NA
	INTRODUCTION TO PATTERN MAKING AND APPAREL CONSTRUCTION	UHD102IPMC23MA	2.5	2	Fully Attained	NA
	HISTORY OF INDIAN COSTUMES AND TEXTILES	UHD103HCT23O	1.5	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	FUNDAMENTAL TEXTILE - I	UHD104FT23O	1.25	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	FASHION COORDINATION - I	UHD105FC23VS	1	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	PATTERN MAKING AND APPAREL CONSTRUCTION – KIDS WEAR	UHD106PMK23SC	1.25	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	BUSINESS COMMUNICATION	UHD107BC23A	1	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	ENVIRONMENTAL STUDIES	UHD108ES23V	2	2	Fully Attained	NA

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	INDIAN KNOWLEDGE SYSTEM	UHD109KS23K	2	2	Fully Attained	NA
	CO-CURRICULAR ACTIVITY	UHD110CC23C	1	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
II	FASHION STUDIES AND ILLUSTRATION - II	UHD201FSI23MA	1.5	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	PATTERN MAKING AND APPAREL CONSTRUCTION – WOMEN'S WEAR I	UHD202PMW23MA	2.5	2	Fully Attained	NA
	MARKETING MANAGEMENT	UHD203MM23MI	1.75	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	HISTORY OF WORLD COSTUMES	UHD204HWC23O	2.25	2	Fully Attained	NA
	FUNDAMENTAL TEXTILE - II	UHD205FT23O	1.5	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	FASHION COORDINATION - II	UHD206FC23VS	1.25	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	PATTERN MAKING AND APPAREL	UHD207PMW23SC	1.25	2	Not Attained	Assignments, tutorials and remedial

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	CONSTRUCTION – WOMEN'S WEAR II					coaching shall be planned
	PERSONALITY DEVELOPMENT	UHD208PD 23A	2	2	Fully Attained	NA
	FABRIC PAINTING	UHD209FP 23V	1.75	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	CO-CURRICULAR ACTIVITY	UHD210CC 23C	2	2	Fully Attained	NA
III	TEXTILE CRAFTS	2231UADH TC	2.2	2	Fully Attained	NA
	BASICS IN PHOTOGRAPHY AND VIDEOGRAPHY	2232UADH PG	1.4	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2233UADH CD	3.2	2	Fully Attained	NA
	ADVANCED APPAREL CONSTRUCTION - WOMEN'S WEAR	2234UADH AC	2	2	Fully Attained	NA
	ADVANCED FASHION STUDIES AND ILLUSTRATION	2235UADH FS	2	2	Fully Attained	NA
	TEXTILE DESIGN	2236UADH TD	1.4	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned

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IV	FASHION EVENT MANAGEMENT	2241UADH EM	3.4	2	Fully Attained	NA
	JEWELRY MAKING	2242UADH JM	2.4	2	Fully Attained	NA
	DRAPING AND ADVANCED DRAPING	2243UADH AD	3.4	2	Fully Attained	NA
	DESIGN PROCESS AND CRAFT RESEARCH	2244UADH DP	4	2	Fully Attained	NA
	INDIAN EMBROIDERY	2245UADH IE	1.6	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	ADVANCED COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2246UADH CD	2.2	2	Fully Attained	NA
V	COMPUTER AIDED MANUFACTURING TECHNIQUES	2351UADH CM	3.6	2	Fully Attained	NA
	ADVANCED APPAREL CONSTRUCTION MENS WEAR AND HIGH FASHION GARMENTS	2352UADH AC	2.4	2	Fully Attained	NA
	FASHION RETAIL AND E TAIL	2353UADH RE	1.8	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	INTERNSHIP PROJECT	2354UADH IP	3	2	Fully Attained	NA

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VI	MERCHANDISING	2361UADHMD	1.8	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	FASHION SHOW PROJECT	2362UADHFP	3	2	Fully Attained	NA
	FASHION BRANDING	2363UADHFB	1.4	2	Not Attained	Assignments, tutorials and remedial coaching shall be planned
	PORTFOLIO AND DIGITAL PORTFOLIO	2364UADHPD	3	2	Fully Attained	NA
	AVERAGE		2.07			

Table No. UG A2.2a: PO Attainment Level: B.A.(Hons.) in Apparel Design and Construction
Academic Year - 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
A2023-24	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG A2.3: Results of CO-PO attainment-

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B.A.(Hons.) in Apparel Design and Construction
Academic Year 2023-24

SEMESTER	SUBJECT	COURSE CODE	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
SEM 1	FASHION STUDIES AND ILLUSTRATION – I	UHD101FSI 23MA	2	2	2		2		2
	INTRODUCTION TO PATTERN MAKING AND APPAREL CONSTRUCTION	UHD102IPM C23MA	2.5	2.5	2.5		2.5	2.5	2.5
	HISTORY OF INDIAN COSTUMES AND TEXTILES	UHD103HC T23O	1.5	1.5		1.5	1.5		
	FUNDAMENTAL TEXTILE - I	UHD104FT2 3O	1.25	1.25	1.25		1.25	1.25	1.25
	FASHION COORDINATION - I	UHD105FC2 3VS	1	1	1		1		1
	PATTERN MAKING AND APPAREL CONSTRUCTION – KIDS WEAR	UHD106PM K23SC	1.25	1.25	1.25		1.25	1.25	1.25
	BUSINESS COMMUNICATION	UHD107BC 23A				1		1	
	ENVIRONMENTAL STUDIES	UHD108ES2 3V						2	
	INDIAN KNOWLEDGE SYSTEM	UHD109KS2 3K						2	

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	CO-CURRICULAR ACTIVITY	UHD110CC23C						1	
SEM 2	FASHION STUDIES AND ILLUSTRATION - II	UHD201FSI23MA	1.5	1.5	1.5		1.5		1.5
	PATTERN MAKING AND APPAREL CONSTRUCTION – WOMEN'S WEAR I	UHD202PMW23MA	2.5	2.5	2.5		2.5	2.5	2.5
	MARKETING MANAGEMENT	UHD203MM23MI					1.75	1.75	1.75
	HISTORY OF WORLD COSTUMES	UHD204HWC23O	2.25	2.25		2.25	2.25		
	FUNDAMENTAL TEXTILE - II	UHD205FT23O	1.5	1.5	1.5		1.5	1.5	1.5
	FASHION COORDINATION - II	UHD206FC23VS	1.25	1.25	1.25		1.25		1.25
	PATTERN MAKING AND APPAREL CONSTRUCTION – WOMEN'S WEAR II	UHD207PMW23SC	1.25	1.25	1.25		1.25	1.25	1.25
	PERSONALITY DEVELOPMENT	UHD208PD23A				2		2	2
	FABRIC PAINTING	UHD209FP23V						1.75	
	CO-CURRICULAR ACTIVITY	UHD210CC23C						2	

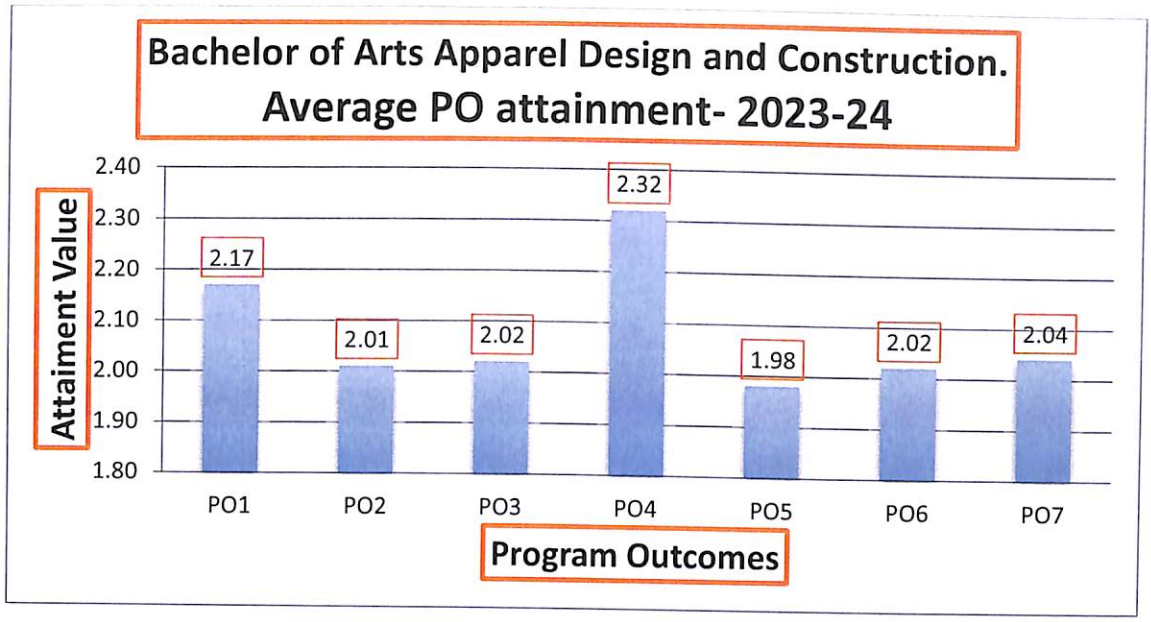
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MALAD (W), MUMBAI - 400 064.

SEM 3	TEXTILE CRAFTS	2231UADHTC	2.2	2.2	2.2		2.2		2.2
	BASICS IN PHOTOGRAPHY AND VIDEOGRAPHY	2232UADHPG		1.4		1.4			1.4
	COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2233UADHCD	3.2		3.2	3.2	3.2		3.2
	ADVANCED APPAREL CONSTRUCTION - WOMEN'S WEAR	2234UADHAC	2	2	2		2	2	2
	ADVANCED FASHION STUDIES AND ILLUSTRATION	2235UADHFS	2	2	2		2		2
	TEXTILE DESIGN	2236UADHTD	1.4	1.4	1.4		1.4		1.4
SEM 4	FASHION EVENT MANAGEMENT	2241UADHEM				3.4		3.4	
	JEWELRY MAKING	2242UADHJM		2.4	2.4				
	DRAPING AND ADVANCED DRAPING	2243UADHAD	3.4	3.4	3.4		3.4		3.4
	DESIGN PROCESS AND CRAFT RESEARCH	2244UADHDP	4	4			4		4
	INDIAN EMBROIDERY	2245UADHIE	1.6	1.6	1.6		1.6		1.6

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	ADVANCED COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2246UADH CD	2.2		2.2	2.2	2.2		2.2
SEM 5	COMPUTER AIDED MANUFACTURING TECHNIQUES	2351UADH CM	3.6			3.6			
	ADVANCED APPAREL CONSTRUCTION MENS WEAR AND HIGH FASHION GARMENTS	2352UADH AC	2.4	2.4	2.4		2.4	2.4	2.4
	FASHION RETAIL AND E TAIL	2353UADH RE				1.8		1.8	1.8
	INTERNSHIP PROJECT	2354UADHI P	3					3	3
SEM 6	MERCHANDISING	2361UADH MD				1.8		1.8	1.8
	FASHION SHOW PROJECT	2362UADHF P	3	3	3	3		3	3
	FASHION BRANDING	2363UADHF B						1.4	1.4
	PORTFOLIO AND DIGITAL PORTFOLIO	2364UADHP D	3	3	3	3		3	3
	AVERAGE		2.17	2.01	2.02	2.32	1.98	1.96	2.04

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From above graph, it is observed that average PO attainment value for almost all of the program outcome is greater than 2. It means, PO attainment by corresponding courses is at Very Good level (value between 1.5 to 2).

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ANNEXTURE UG A3
B.B.A. in Sports Management - BBA- SM

Table No. UG A3.1: PO CO Mapping Matrix:
B.B.A. in Sports Management - BBA- SM: Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	Fundamentals of Sports and New Age Dynamics	UHS101 FSA 23 MA	*	*	*	*	*	
	Leadership Principles in Sports	UHS102 LPS 23 MA	*	*			*	
	World Cultures - I	UHS103 WC 23 O	*	*	*		*	
	Overview of Travel and Tourism	UHS103 OTT 23 O	*				*	
	Indian Economy	UHS104 IE 23 O	*	*	*	*		
	Business Mathematics and Statistics – I	UHS104 BMS 23 O	*	*	*			
	Professional Learning Experience in Sports Management - I	UHS105 PLE 23 VS		*		*		
	Effective Presentation Skills	UHS106 EPS 23 SC	*		*	*	*	
	Functional English - I	UHS107 FE 23 A	*					
	Environmental Studies	UHS108 ES 23 V	*				*	
	Constitution of India and Human Rights	UHS109 CIH 23 IK			*		*	

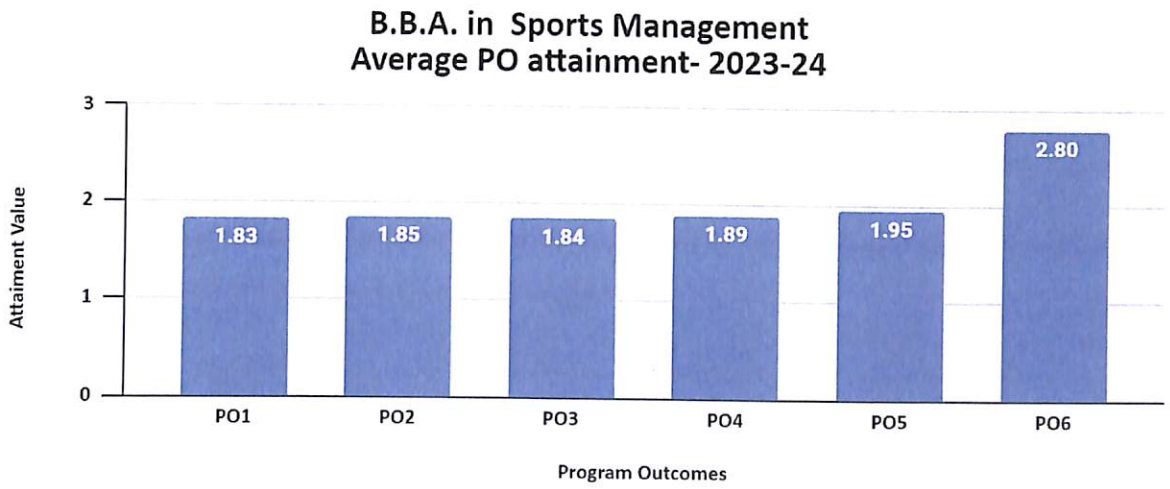
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	Basics of Yoga - I	UHS110 BY 23 C	*	*		*		
II	Management of Sports Leagues and Teams	UHS201 MSL 23 MA	*	*		*	*	
	Sports Risk Management	UHS202 SRM 23 MA	*	*		*		
	Principle of Management	UHS203 POM 23 MI	*	*	*		*	
	World Cultures – II	UHS204 WC 23 O	*	*	*		*	
	Basis of Financial Services	UHS204 BFS 23 O	*			*		
	India Socio Political Economics System & Current Affairs	UHS205 ISP 23 O	*	*			*	
	Business Mathematics and Statistics - II	UHS205 BMS 23 O	*	*	*			
	Professional Learning Experience in Sports Management - II	UHS206 PLE 23 VS		*		*		
	Selling and Negotiation Skills	UHS207 SNS 23 SC	*			*		
	Hindi - I	UHS208 HN 23 A	*	*	*			
	Personal Effectiveness at Workplace	UHS209 PEW 23 V		*				
	Basics of Yoga - II	UHS210 BY 23 C	*					

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	Case Studies	2063BSCS	2.8	2.8				
	Sports & Allied Industry Research	2064BSIEP	3					
	Final Project and Viva	2065BSFPV				3		
	Management of Adaptive Sports	2061BSMAS	2	2		2		
		AVERAGE	1.83	1.85	1.84	1.89	1.95	2.80



From above graph, it is observed that average PO attainment value for one of the program outcome is greater than 2.5. It means, PO attainment by corresponding courses is at Good level (value between 1.5 to 2).

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ANNEXTURE UG A4
B.B.A. in Tourism & Travel Management- BBA- TTM

Table No. UG A4.1: PO CO Mapping Matrix:
B.B.A. in Tourism & Travel Management- BBA- TTM: Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4
I	Tourism Geography	UHT 101 TG 23 MA		*		*
	Travel & Tourism Industry	UHT 102 TTI 23 MA	*	*		*
	World Cultures – I	UHT 103 WC 23 O		*		
	International Sports Management - I	UHT 103 ISM 23 O				*
	India Socio Political Economic System and Current Affairs	UHT 104 ISP 23 O				*
	Business Mathematics and Statistics – I	UHT 104 BMS 23 O				*
	IT in Business – I	UHT 105 IT 23 VS	*			
	Effective Presentation Skills	UHT 106 EPS 23 SC	*	*	*	*
	Functional English - I	UHT 107 FE 23 A	*	*		
	Environmental Studies	UHT 108 ES 23 V				*
	Constitution of India & Human Rights	UHT 109 CIH 23 IK				*
	Basics of Yoga - I	UHT 110 BY 23 C				*

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(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064

II	Principles and Practices of Travel and Tourism	UHT 201 PPT 23 MA	*	*		*
	Art Heritage of India	UHT 202 AHI 23 MA	*	*		*
	Human Resource Management	UHT 203 HRM 23 MI	*	*	*	*
	World Cultures – II	UHT 204 WC 23 O		*		
	International Sports Management - II	UHT 204 ISM 23 O				*
	Indian Economy	UHT 205 IE 23 O		*	*	
	Business Mathematics and Statistics - II	UHT 205 BST 23 O				*
	IT in Business – II	UHT 206 ITB 23 VS	*			
	Selling and Negotiation Skills	UHT 207 SS 23 SC	*	*	*	*
	French - I	UHT 208 FR 23 A			*	
	Personal Effectiveness at Workplace	UHT 209 PEW 23 V	*	*	*	
	Basics of Yoga - II	UHT 210 BY 23 C				*
	Travel Agency and Tour Operations	2131UHTMTA		*		*
	Travel Documentation	2132UHTMTD		*		
	Tourism Economics	2133UHTMTE	*			

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
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MALAD (W). MUMBAI - 400 064.

III	Practical Training/ Internship	2136UHTMIE		*		*
	Customer Service in the Tourism Industry	2134UHTMCS		*		
	Consumer Behaviour	2134UHTMCB		*		
	Foundation Course-1	2135UHTMFC	*	*		*
	Digital Marketing & Advertising	2135UHTMDM	*	*		*
	Foreign Language (French)	2137UHTMFR		*		
IV	Legal Aspects of Travel & Tourism	2141UHTMLA	*	*	*	
	Tourism & Transport	2142UHTMTT	*		*	
	Tourism & Technology	2143UHTMTE	*	*		
	Practical Training/ Internship	2147UHTMPT		*		*
	Hospitality Management	2144UHTMHM		*		*
	Business Economics	2144UHTMBE		*		*
	Foundation Course-2	2145UHTMFC	*		*	
	Corporate Communication & Public Relations	2145UHTMCC	*		*	
	Travel Writing and Photography	2146UHTMWP	*	*		
V	Aviation Management	2251UHTMAM	*	*		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Sustainable Tourism	2252UHTMST			*	
	Study tour / Destination study - Project report & Presentation	2253UHTMPJ		*		*
	Sports & Adventure Tourism	2254UHTMSA	*	*		
	Niche Tourism	2254UHTMNT	*	*		
	Medical & Wellness Tourism	2255UHTMMW		*		
	Cruise Tourism	2255UHTMCT		*		
	Introduction to Research Methods	2256UHTMRM		*		
VI	Destination Planning	2261UHTMDM	*	*		
	MICE	2262UHTMMC	*	*		
	Tourism Marketing	2263UHTMTM	*	*		
	Capstone Project	2264UHTMPJ		*		
	Air Fares and Ticketing	2265UHTMAF		*		*
	Air Cargo and Logistics Management	2265UHTMAC		*		*

Table No. UG A4.2: CO Attainment Level: B.B.A. in Tourism & Travel Management
Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W). MUMBAI - 400 064.

I	Tourism Geography	UHT 101 TG 23 MA	2	2	Fully Attained	NA
	Travel & Tourism Industry	UHT 102 TTI 23 MA	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	World Cultures – I	UHT 103 WC 23 O	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	International Sports Management - I	UHT 103 ISM 23 O	NA	NA	NA	NA
	India Socio Political Economic System and Current Affairs	UHT 104 ISP 23 O	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Mathematics and Statistics – I	UHT 104 BMS 23 O	NA	NA	NA	NA
	IT in Business – I	UHT 105 IT 23 VS	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Effective Presentation Skills	UHT 106 EPS 23 SC	1.75		Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Functional English - I	UHT 107 FE 23 A	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Environmental Studies	UHT 108 ES 23 V	2	2	Fully Attained	NA
	Constitution of India & Human Rights	UHT 109 CIH 23 IK	2	2	Fully Attained	NA
	Basics of Yoga - I	UHT 110 BY 23 C	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
II	Principles and Practices of Travel and Tourism	UHT 201 PPT 23 MA	3	2	Fully Attained	NA
	Art Heritage of India	UHT 202 AHI 23 MA	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Human Resource Management	UHT 203 HRM 23 MI	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	World Cultures – II	UHT 204 WC 23 O	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	International Sports Management - II	UHT 204 ISM 23 O	NA	NA	NA	NA
	Indian Economy	UHT 205 IE 23 O	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Mathematics	UHT 205 BST 23 O	NA	NA	NA	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (...) MUMBAI - 400 064.

	and Statistics - II					
	IT in Business – II	UHT 206 ITB 23 VS	0.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Selling and Negotiation Skills	UHT 207 SS 23 SC	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	French - I	UHT 208 FR 23 A	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Personal Effectiveness at Workplace	UHT 209 PEW 23 V	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Basics of Yoga - II	UHT 210 BY 23 C	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
III	Travel Agency and Tour Operations	2131UHTMT A	3	2	Fully Attained	NA
	Travel Documentation	2132UHTMT D	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Tourism Economics	2133UHTMT E	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W). MUMBAI - 400 064.

	Practical Training/ Internship	2136UHTMIE	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Customer Service in the Tourism Industry	2134UHTMCS	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Consumer Behaviour	2134UHTMCB	NA	NA	NA	NA
	Digital Marketing & Advertising	2135UHTMDM	2	2	Fully Attained	NA
	Foundation Course-1	2135UHTMFC	NA	NA	NA	NA
	Foreign Language (French)	2137UHTMFR	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
IV	Legal Aspects of Travel & Tourism	2141UHTMLA	3	2	Fully Attained	NA
	Tourism & Transport	2142UHTMTT	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Tourism & Technology	2143UHTMTE	2	2	Fully Attained	NA
	Practical Training/ Internship	2147UHTMPT	3.8	2	Fully Attained	NA
	Hospitality Management	2144UHTMHM	3	2	Fully Attained	NA
	Business Economics	2144UHTMBE	NA	NA	NA	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Corporate Communication & Public Relations	2145UHTMCC	2	2	Fully Attained	NA
	Foundation Course-2	2145UHTMFC	NA	NA	NA	NA
	Travel Writing and Photography	2146UHTMWP	2.4	2	Fully Attained	NA
V	Aviation Management	2251UHTMAM	2	2	Fully Attained	NA
	Sustainable Tourism	2252UHTMST	2	2	Fully Attained	NA
	Study tour / Destination study - Project report & Presentation	2253UHTMPJ	2.4	2	Fully Attained	NA
	Sports & Adventure Tourism	2254UHTMSA	2.6	2	Fully Attained	NA
	Niche Tourism	2254UHTMNT	NA	NA	NA	NA
	Medical & Wellness Tourism	2255UHTMMW	2	2	Fully Attained	NA
	Cruise Tourism	2255UHTMCT	NA	NA	NA	NA
	Introduction to Research Methods	2256UHTMRM	2.6	2	Fully Attained	NA
VI	Destination Planning	2261UHTMDM	2	2	Fully Attained	NA
	MICE	2262UHTMMC	2	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064

	Tourism Marketing	2263UHTMTM	2.2	2	Fully Attained	NA
	Capstone Project	2264UHTMPJ	4.2	2	Fully Attained	NA
	Air Fares and Ticketing	2265UHTMAF	2.4	2	Fully Attained	NA
	Air Cargo and Logistics Management	2265UHTMAC	NA	NA	NA	NA
		AVERAGE	1.89			
NA means not applicable as target is fully attained.						

Table No. UG A4.2a: PO Attainment Level- B.B.A. in Tourism & Travel Management
Academic Year - 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
A2023-24	3	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG A4.3: Results of CO-PO attainment
B.B.A. in Tourism & Travel Management
Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4
	Tourism Geography	UHT 101 TG 23 MA		2		2
	Travel & Tourism Industry	UHT 102 TTI 23 MA	1.25	1.25		1.25

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

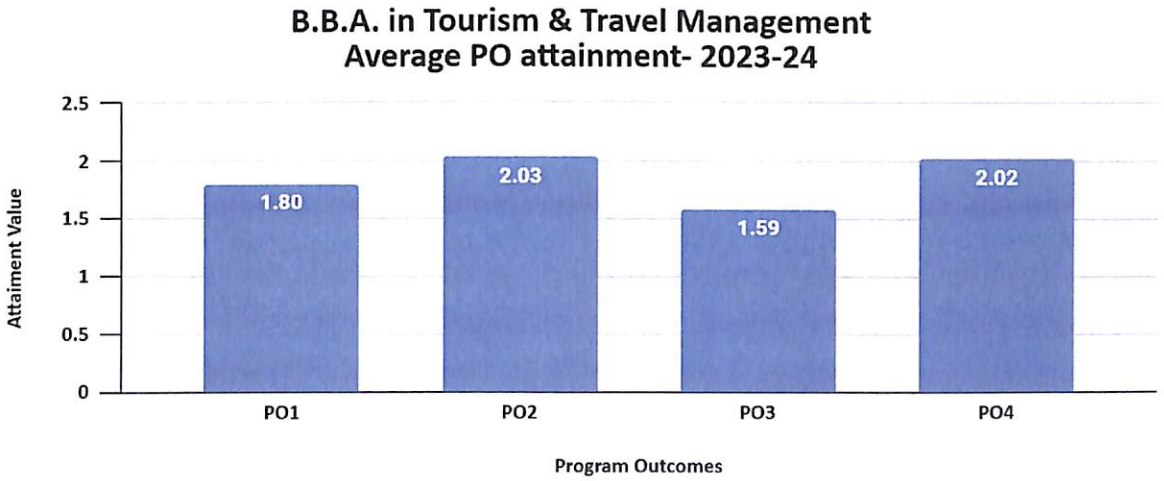
	World Cultures – I	UHT 103 WC 23 O		1		
	India Socio Political Economic System and Current Affairs	UHT 104 ISP 23 O				0.75
	IT in Business – I	UHT 105 IT 23 VS	1.25			
	Effective Presentation Skills	UHT 106 EPS 23 SC	1.75	1.75	1.75	1.75
	Functional English - I	UHT 107 FE 23 A	1.5	1.5		
	Environmental Studies	UHT 108 ES 23 V				2
	Constitution of India & Human Rights	UHT 109 CIH 23 IK				2
	Basics of Yoga - I	UHT 110 BY 23 C				1.5
II	Principles and Practices of Travel and Tourism	UHT 201 PPT 23 MA	3	3		3
	Art Heritage of India	UHT 202 AHI 23 MA	1.5	1.5		1.5
	Human Resource Management	UHT 203 HRM 23 MI	1.25	1.25	1.25	1.25
	World Cultures – II	UHT 204 WC 23 O		1		
	Indian Economy	UHT 205 IE 23 O		0.75	0.75	
	IT in Business – II	UHT 206 ITB 23 VS	0.5			
	Selling and Negotiation Skills	UHT 207 SS 23 SC	1.25	1.25	1.25	1.25
	French - I	UHT 208 FR 23 A			1	
	Personal Effectiveness at Workplace	UHT 209 PEW 23 V	1.25	1.25	1.25	
	Basics of Yoga - II	UHT 210 BY 23 C				1.75
III	Travel Agency and Tour Operations	2131UHTMTA		3		3
	Travel Documentation	2132UHTMTD		1.4		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Tourism Economics	2133UHTMTE	1.4			
	Practical Training/ Internship	2136UHTMIE		1.8		1.8
	Customer Service in the Tourism Industry	2134UHTMCS		1.8		
	Digital Marketing & Advertising	2135UHTMDM	2	2		2
	Foreign Language (French)	2137UHTMFR		1		
IV	Legal Aspects of Travel & Tourism	2141UHTMLA	3	3	3	
	Tourism & Transport	2142UHTMTT	1.6		1.6	
	Tourism & Technology	2143UHTMTE	2	2		
	Practical Training/ Internship	2147UHTMPT		3.8		3.8
	Hospitality Management	2144UHTMHM		3		3
	Corporate Communication & Public Relations	2145UHTMCC	2		2	
	Travel Writing and Photography	2146UHTMWP	2.4	2.4		
V	Aviation Management	2251UHTMAM	2	2		
	Sustainable Tourism	2252UHTMST			2	
	Study tour / Destination study - Project report & Presentation	2253UHTMPJ		2.4		2.4
	Sports & Adventure Tourism	2254UHTMSA	2.6	2.6		
	Medical & Wellness Tourism	2255UHTMMW		2		
	Introduction to Research Methods	2256UHTMRM		2.6		
VI	Destination Planning	2261UHTMDM	2	2		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	MICE	2262UHTMMC	2	2		
	Tourism Marketing	2263UHTMTM	2.2	2.2		
	Capstone Project	2264UHTMPJ		4.2		
	Air Fares and Ticketing	2265UHTMAF		2.4		2.4
		AVERAGE	1.80	2.03	1.59	2.02



From above graph, it is observed that average PO attainment value for two of the program outcomes is greater than 2. It means, PO attainment by corresponding courses is at good level (value between 1.5 and 2.0).

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

ANNEXTURE UG A5
B.B.A. in Business Administration

Table No. UG A5.1: PO CO Mapping Matrix:
B.B.A. in Business Administration: Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
I	Introduction to Accounts and Finance	UHB101 IAF 23 MA	*	*	*		*			*
	Principles of Management	UHB102 POM 23 MA			*		*	*	*	
	World Cultures - I	UHB103 WC 23 O		*						
	International Sports Management - I	UHB103 ISM 23 O				*				
	India Socio Political Economic System and Current Affairs	UHB104 ISP 23 O		*						
	Business Mathematics and Statistics - I	UHB104 BMS 23 O					*			
	IT in Business - I	UHB105 IT 23 VS				*				
	Effective Presentation Skills	UHB106 PS 23 SC				*				
	Functional English - I	UHB107 FE 23 A				*				
	Environmental Studies	UHB108 ES 23 V				*				
	Constitution of India and Human Rights	UHB109 CIH 23 IK				*				
	Basics of Yoga - I	UHB110 BY 23 C				*				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

II	Principles of Marketing	UHB201 POM 23 MA	*	*	*					
	Human Resource Management	UHB202 HRM 23 MA		*	*			*	*	
	Organisational Behaviour - I	UHB203 AD 23 MI						*	*	
	World Cultures - II	UHB204 WC 23 O						*	*	
	International Sports Management - II	UHB204 ISM 23 O				*				
	Indian Economy	UHB205 IE 23 O							*	*
	Business Mathematics and Statistics - II	UHB205 BMS 23 O					*			
	IT in Business - II	UHB206 IT 23 VS					*	*	*	
	Selling and Negotiation Skills	UHB207 SNS 23 SC		*		*				*
	French - I	UHB208 FR 23 A							*	
	Personal Effectiveness at Workplace	UHB209 PEW 23 V							*	
	Basics of Yoga - II	UHB210 BY 23 C							*	
III	Financial Statement Analysis	2231UBAFA	*	*	*					*
	Direct Tax & Indirect Tax	2232UBADI	*	*	*					*
	Digital Marketing	2233UBADM	*		*	*	*			*
	Research Methodology & Consumer Behaviour	2234UBARM	*		*				*	*

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Practical Training /Internship	2235UBAIN	*		*	*			*	
	Decision Science	2236UBADS	*	*	*			*	*	*
	Industrial Relations and Labour Laws	2236UBAIL	*	*	*			*	*	*
	Sanskrit	2237UBASA						*	*	
	Soft Skills & Personality Development	2237UBASS						*	*	
IV	Financial Management I	2241UBAFM	*	*	*					*
	Management Accounting	2242UBAMA	*	*	*				*	*
	Business Law	2243UBABL			*			*		*
	Integrated Marketing Communications	2244UBAIC						*	*	
	Entrepreneurship & Social Sensitivity Skills	2245UBAEN	*	*	*		*			*
	Business Ethics & Corporate Governance	2246UBABC			*			*	*	
	Company Law	2246UBACL			*			*	*	
	Environmental Studies	2247UBAES		*	*	*				
V	Financial Management II	2351UBAFM	*	*	*					*
	Banking & Insurance	2352UBABI	*		*					*
	Business Analytics	2353UBABA	*	*	*	*	*			*
	E-Commerce	2353UBAEC	*	*	*	*	*			*
	Investment Analysis & Portfolio Management	2354UBAIP	*	*		*				*
	Financial Markets & Institutions	2354UBAFI	*	*		*				*

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Sales & Distribution Management	2355UBASD	*			*	*			
	Advance Digital Marketing	2355UBADM	*			*	*			
	Field Study Project	2356UBAFP			*			*	*	
	Sanskrit	2357UBASA		*		*		*	*	*
	Selling Skills	2357UBASE		*		*		*	*	*
VI	Strategic Management	2361UBASM	*	*	*	*	*			*
	International Business & EXIM	2362UBAIE	*	*	*	*		*		*
	Operations Research & Management	2363UBAOM	*	*	*				*	*
	Human Rights & Indian Constitution	2364UBAHI			*			*	*	*
	Capstone Project	2365UBACP				*		*	*	
	Forex & Risk Management in Derivatives	2366UBAFR	*	*	*		*			*
	Wealth Management & Financial Planning	2366UBAWF	*	*	*		*			*
	Business Simulations & Financial Modeling	2366UBABF	*	*	*		*			*
	Rural Marketing	2367UBARU	*	*	*	*		*		*
	Retail Management	2367UBARM	*	*	*	*		*		*
	International Marketing & Business Simulations	2367UBAIB	*	*	*	*		*		*

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Table No. UG A5.2: CO Attainment Level: B.B.A. in Business Administration
Academic Year – 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Introduction to Accounts and Finance	UHB101 IAF 23 MA	2.5	2	Fully Attained	NA
	Principles of Management	UHB102 POM 23 MA	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	World Cultures - I	UHB103 WC 23 O	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	International Sports Management - I (NA)	UHB103 ISM 23 O	NA	NA	NA	NA
	India Socio Political Economic System and Current Affairs	UHB104 ISP 23 O	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Mathematics and Statistics - I	UHB104 BMS 23 O	NA	NA	NA	NA
	IT in Business - I	UHB105 IT 23 VS	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Effective Presentation Skills	UHB106 PS 23 SC	2	2	Fully Attained	NA
	Functional English - I	UHB107 FE 23 A	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

						planned
	Environmental Studies	UHB108 ES 23 V	2.3	2	Fully Attained	NA
	Constitution of India and Human Rights	UHB109 CIH 23 IK	2	2	Fully Attained	NA
	Basics of Yoga - I	UHB110 BY 23 C	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
II	Principles of Marketing	UHB201 POM 23 MA	2.5	2	Fully Attained	NA
	Human Resource Management	UHB202 HRM 23 MA	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Organisational Behaviour - I	UHB203 AD 23 MI	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	World Cultures - II	UHB204 WC 23 O	2	2	Fully Attained	NA
	International Sports Management - II	UHB204 ISM 23 O	NA	NA	NA	NA
	Indian Economy	UHB205 IE 23 O	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Mathematics and Statistics - II	UHB205 BMS 23 O	NA	NA	NA	NA
	IT in Business - II	UHB206 IT 23 VS	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Selling and Negotiation Skills	UHB207 SNS 23 SC	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
-GINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI

						coaching shall be planned
	French - I	UHB208 FR 23 A	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Personal Effectiveness at Workplace	UHB209 PEW 23 V	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Basics of Yoga - II	UHB210 BY 23 C	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
III	Financial Statement Analysis	2231UBAFA	2	2	Fully Attained	NA
	Direct Tax & Indirect Tax	2232UBADI	3	2	Fully Attained	NA
	Digital Marketing	2233UBADM	3.6	2	Fully Attained	NA
	Research Methodology & Consumer Behaviour	2234UBARM	3.4	2	Fully Attained	NA
	Practical Training /Internship	2235UBAIN	3	2	Fully Attained	NA
	Decision Science	2236UBADS	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Industrial Relations and Labour Laws	2236UBAIL	NA	NA	NA	NA
	Soft Skills & Personality Development	2237UBASS	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Sanskri	2237UBASA	NA	NA	NA	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

IV	Financial Management I	2241UBAFM	2	2	Fully Attained	NA
	Management Accounting	2242UBAMA	2	2	Fully Attained	NA
	Business Law	2243UBABL	2.4	2	Fully Attained	NA
	Integrated Marketing Communications	2244UBAIC	2.6	2	Fully Attained	NA
	Entrepreneurship & Social Sensitivity Skills	2245UBAEN	2	2	Fully Attained	NA
	Business Ethics & Corporate Governance	2246UBABC	3	2	Fully Attained	NA
	Company Law	2246UBACL	NA	NA	NA	NA
	Environmental Studies	2247UBAES	2.6	2	Fully Attained	NA
V	Financial Management II	2351UBAFM	3	2	Fully Attained	NA
	Banking & Insurance	2352UBABI	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Analytics	2353UBABA	2.6	2	Fully Attained	NA
	E-Commerce	2353UBAEC	NA	NA	NA	NA
	Investment Analysis & Portfolio Management	2354UBAIP	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Financial Markets & Institutions	2354UBAFI	NA	NA	NA	NA
	Sales & Distribution Management	2355UBASD	2.6	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064

	Advance Digital Marketing	2355UBADM	NA	NA	NA	NA
	Field Study Project	2356UBAFP	2.4	2	Fully Attained	NA
	Selling Skills	2357UBASE	2	2	Fully Attained	NA
	Sanskrit	2357UBASA	NA	NA	NA	NA
VI	Strategic Management	2361UBASM	2	2	Fully Attained	NA
	International Business & EXIM	2362UBAIE	2	2	Fully Attained	NA
	Operations Research & Management	2363UBAOM	2	2	Fully Attained	NA
	Human Rights & Indian Constitution	2364UBAHI	3	2	Fully Attained	NA
	Capstone Project	2365UBACP	2.8	2	Fully Attained	NA
	Wealth Management & Financial Planning	2366UBAWF	2.6	2	Fully Attained	NA
	Forex & Risk Management in Derivatives	2366UBAFR	NA	NA	NA	NA
	Business Simulations & Financial Modeling	2366UBABF	NA	NA	NA	NA
	International Marketing & Business Simulations	2367UBAIB	3	2	Fully Attained	NA
	Rural Marketing	2367UBARU	NA	NA	NA	NA
	Retail Management	2367UBARM	NA	NA	NA	NA
		AVERAGE	2.13			

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Table No. UG A5.2a: PO Attainment Level- B.B.A. in Business Administration-Academic Year 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
A2023-24	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG A5.3: Results of CO-PO attainment-B.B.A. in Business Administration-Academic Year 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
I	Introduction to Accounts and Finance	UHB101 IAF 23 MA	2.5	2.5	2.5		2.5			2.5
	Principles of Management	UHB102 POM 23 MA			1.25		1.25	1.25	1.25	
	World Cultures - I	UHB103 WC 23 O		1.75						

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	India Socio Political Economic System and Current Affairs	UHB104 ISP 23 O		0.75						
	IT in Business - I	UHB105 IT 23 VS				1.5				
	Effective Presentation Skills	UHB106 PS 23 SC				2				
	Functional English - I	UHB107 FE 23 A				1.5				
	Environmental Studies	UHB108 ES 23 V				2.3				
	Constitution of India and Human Rights	UHB109 CIH 23 IK				2				
	Basics of Yoga - I	UHB110 BY 23 C				1.8				
II	Principles of Marketing	UHB201 POM 23 MA	2.5	2.5	2.5					
	Human Resource Management	UHB202 HRM 23 MA		1.5	1.5			1.5	1.5	
	Organisational Behaviour - I	UHB203 AD 23 MI						1.75	1.75	
	World Cultures - II	UHB204 WC 23 O						2	2	
	Indian Economy	UHB205 IE 23 O							1.25	1.25

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	IT in Business - II	UHB206 IT 23 VS					1.25	1.25	1.25	
	Selling and Negotiation Skills	UHB207 SNS 23 SC		1.75		1.75				1.75
	French - I	UHB208 FR 23 A							1.5	
	Personal Effectiveness at Workplace	UHB209 PEW 23 V							1.5	
	Basics of Yoga - II	UHB210 BY 23 C							1.75	
III	Financial Statement Analysis	2231UBAFA	2	2	2					2
	Direct Tax & Indirect Tax	2232UBADI	3	3	3					3
	Digital Marketing	2233UBADM	3.6		3.6	3.6	3.6			3.6
	Research Methodology & Consumer Behaviour	2234UBARM	3.4		3.4				3.4	3.4
	Practical Training /Internship	2235UBAIN	3		3	3			3	
	Decision Science	2236UBADS	1.6	1.6	1.6			1.6	1.6	1.6
	Soft Skills & Personality Development	2237UBASS						1.8	1.8	

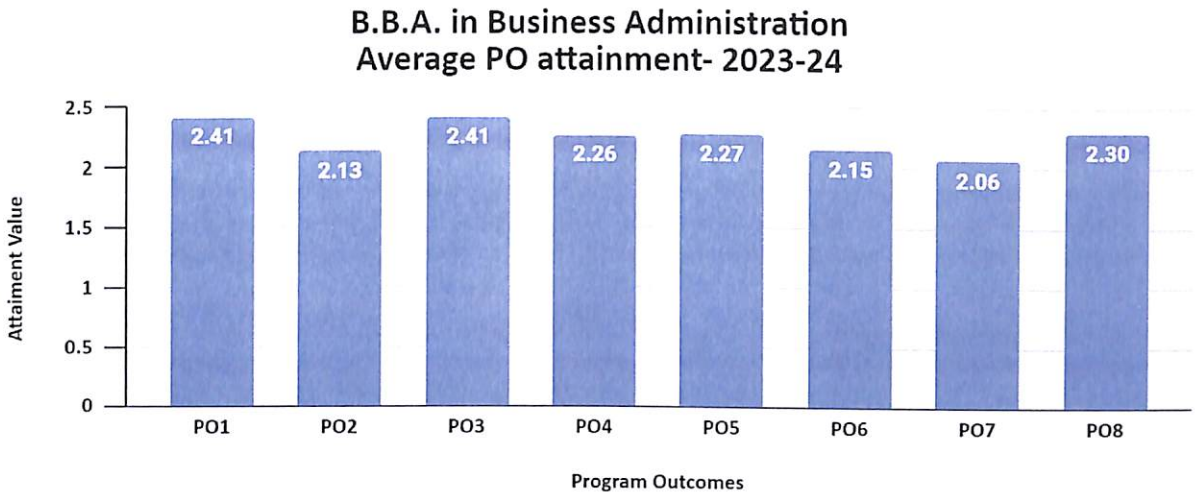
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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

IV	Financial Management I	2241UBAFM	2	2	2					2
	Management Accounting	2242UBAMA	2	2	2				2	2
	Business Law	2243UBABL			2.4			2.4		2.4
	Integrated Marketing Communications	2244UBAIC						2.6	2.6	
	Entrepreneurship & Social Sensitivity Skills	2245UBAEN	2	2	2		2			2
	Business Ethics & Corporate Governance	2246UBABC			3			3	3	
	Environmental Studies	2247UBAES		2.6	2.6	2.6				
V	Financial Management II	2351UBAFM	3	3	3					3
	Banking & Insurance	2352UBABI	1.6		1.6					1.6
	Business Analytics	2353UBABA	2.6	2.6	2.6	2.6	2.6			2.6
	Investment Analysis & Portfolio Management/	2354UBAIP	1.6	1.6		1.6				1.6
	Sales & Distribution Management	2355UBASD	2.6			2.6	2.6			

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Field Study Project	2356UBAFP			2.4			2.4	2.4	
	Selling Skills	2357UBASE		2		2		2	2	2
VI	Strategic Management	2361UBASM	2	2	2	2	2			2
	International Business & EXIM	2362UBAIE	2	2	2	2		2		2
	Operations Research & Management	2363UBAOM	2	2	2				2	2
	Human Rights & Indian Constitution	2364UBAHI			3			3	3	3
	Capstone Project	2365UBACP				2.8		2.8	2.8	
	Wealth Management & Financial Planning	2366UBAWF	2.6	2.6	2.6		2.6			2.6
	International Marketing & Business Simulations	2367UBAIB	3	3	3	3		3		3
		Average	2.41	2.13	2.41	2.26	2.27	2.15	2.06	2.30

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.



From above graph, it is observed that average PO attainment value all of the program outcomes is greater than 2. It means, PO attainment by corresponding courses is at Very good level (value between 2.0 and 2.5).

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
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ANNEXTURE UG A6
B.B.A. in Tourism & Travel Management- BBA- TTM

Table No. UG A6.1: PO CO Mapping Matrix:
B.B.A. in Tourism & Travel Management- BBA- TTM: Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4
	Tourism Geography	UHT 101 TG 23 MA		*		*
	Travel & Tourism Industry	UHT 102 TTI 23 MA	*	*		*
	World Cultures – I	UHT 103 WC 23 O		*		
	International Sports Management - I	UHT 103 ISM 23 O				*
	India Socio Political Economic System and Current Affairs	UHT 104 ISP 23 O				*
	Business Mathematics and Statistics – I	UHT 104 BMS 23 O				*
	IT in Business – I	UHT 105 IT 23 VS	*			
	Effective Presentation Skills	UHT 106 EPS 23 SC	*	*	*	*
	Functional English - I	UHT 107 FE 23 A	*	*		
	Environmental Studies	UHT 108 ES 23 V				*
	Constitution of India & Human Rights	UHT 109 CIH 23 IK				*
	Basics of Yoga - I	UHT 110 BY 23 C				*

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

II	Principles and Practices of Travel and Tourism	UHT 201 PPT 23 MA	*	*		*
	Art Heritage of India	UHT 202 AHI 23 MA	*	*		*
	Human Resource Management	UHT 203 HRM 23 MI	*	*	*	*
	World Cultures – II	UHT 204 WC 23 O		*		
	International Sports Management - II	UHT 204 ISM 23 O				*
	Indian Economy	UHT 205 IE 23 O		*	*	
	Business Mathematics and Statistics - II	UHT 205 BST 23 O				*
	IT in Business – II	UHT 206 ITB 23 VS	*			
	Selling and Negotiation Skills	UHT 207 SS 23 SC	*	*	*	*
	French - I	UHT 208 FR 23 A			*	
	Personal Effectiveness at Workplace	UHT 209 PEW 23 V	*	*	*	
	Basics of Yoga - II	UHT 210 BY 23 C				*
	Travel Agency and Tour Operations	2131UHTMTA		*		*
	Travel Documentation	2132UHTMTD		*		
	Tourism Economics	2133UHTMTE	*			

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

III	Practical Training/ Internship	2136UHTMIE		*		*
	Customer Service in the Tourism Industry	2134UHTMCS		*		
	Consumer Behaviour	2134UHTMCB		*		
	Foundation Course-1	2135UHTMFC	*	*		*
	Digital Marketing & Advertising	2135UHTMDM	*	*		*
	Foreign Language (French)	2137UHTMFR		*		
IV	Legal Aspects of Travel & Tourism	2141UHTMLA	*	*	*	
	Tourism & Transport	2142UHTMTT	*		*	
	Tourism & Technology	2143UHTMTE	*	*		
	Practical Training/ Internship	2147UHTMPT		*		*
	Hospitality Management	2144UHTMHM		*		*
	Business Economics	2144UHTMBE		*		*
	Foundation Course-2	2145UHTMFC	*		*	
	Corporate Communication & Public Relations	2145UHTMCC	*		*	
	Travel Writing and Photography	2146UHTMWP	*	*		
V	Aviation Management	2251UHTMAM	*	*		

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064

III	Sports & Entertainment Marketing	2331BSENT	*	*	*		*	*
	Sports Funding & Financial Management	2332BSSFF	*	*	*	*		
	Sports Media, Broadcasting & Journalism	2333BSMBJ	*	*	*	*	*	
	Sports Event Management	2334BSSEM	*	*	*	*		
	Practical Training/ Internship	2335BSPIE	*	*				
	PR, Sponsorship & Advertising in Sports	2336BSPSA	*	*	*	*	*	
	Digital Marketing	2336BSDM	*	*	*	*	*	
	Sanskrit	2337BSSA	*	*				
	Selling Skills	2337BSSE	*	*				
IV	Sports Law & Risk Management	2341BSLRM	*	*	*	*		
	Global Sports Tourism	2342BSGST	*	*	*			
	Sports Health & Nutrition	2343BSSHN	*	*	*	*		
	Sports Psychology	2344BSPSY	*					
	Practical Training/ Internship	2345BSPTA	*	*				
	Brand Management	2346BSBMT	*	*	*			

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Sales & Promotion Management	2346BSSPM	*	*	*			
	Environmental Studies	2347BSES	*	*	*			
V	Media Management	2051BSMED	*	*	*			
	Ethics & Governance	2052BSEGV		*	*			
	Entrepreneurship & Project Management	2055BSEPM	*	*	*			
	International Sports Management	2053BSISM	*	*	*			
	Global Leadership & Culture	2053BSGLC	*	*	*			
	Sports Training & Tactics	2054BSSTT	*	*	*			
	Sports & Intellectual Property	2054BSSIP	*	*	*			
	Advanced Practical Sports Management	2056BSAPS	*	*	*			
VI	Soft Skills & Personality Development	2062BSSPD	*	*	*	*		
	Case Studies	2063BSCS	*	*				
	Sports & Allied Industry Research	2064BSIEP	*					
	Final Project and Viva	2065BSFPV				*		
	Management of Adaptive Sports	2061BSMAS	*	*		*		

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Table No. UG A3.2: CO Attainment Level: B.B.A. in Sports Management - BBA- SM
Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Fundamentals of Sports and New Age Dynamics	UHS101 FSA 23 MA	2.5	2	Fully Attained	NA
	Leadership Principles in Sports	UHS102 LPS 23 MA	2.5	2	Fully Attained	NA
	World Cultures - I	UHS103 WC 23 O	2	2	Fully Attained	NA
	Overview of Travel and Tourism	UHS103 OTT 23 O	NA	NA	NA	NA
	Indian Economy	UHS104 IE 23 O	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Mathematics and Statistics – I	UHS104 BMS 23 O	NA	NA	NA	NA
	Professional Learning Experience in Sports Management - I	UHS105 PLE 23 VS	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Effective Presentation Skills	UHS106 EPS 23 SC	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Functional English - I	UHS107 FE 23 A	1.25	2	Not Fully Attained	Assignments, tutorials, exercises

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

						and remedial coaching shall be planned
	Environmental Studies	UHS108 ES 23 V	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Constitution of India and Human Rights	UHS109 CIH 23 IK	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Basics of Yoga - I	UHS110 BY 23 C	0.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
II	Management of Sports Leagues and Teams	UHS201 MSL 23 MA	3	2	Fully Attained	NA
	Sports Risk Management	UHS202 SRM 23 MA	1.2	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Principle of Management	UHS203 POM 23 MI	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	World Cultures – II	UHS204 WC 23 O	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Basis of Financial Services	UHS204 BFS 23 O	NA	NA	NA	NA
	India Socio Political Economics System & Current Affairs	UHS205 ISP 23 O	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Mathematics and Statistics - II	UHS205 BMS 23 O	NA	NA	NA	NA
	Professional Learning Experience in Sports Management - II	UHS206 PLE 23 VS	2.0	2	Fully Attained	NA
	Selling and Negotiation Skills	UHS207 SNS 23 SC	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Hindi - I	UHS208 HN 23 A	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Personal Effectiveness at Workplace	UHS209 PEW 23 V	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Basics of Yoga - II	UHS210 BY 23 C	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

III	Sports & Entertainment Marketing	2331BSENT	2.8	2	Fully Attained	NA
	Sports Funding & Financial Management	2332BSSFF	2	2	Fully Attained	NA
	Sports Media, Broadcasting & Journalism	2333BSMBJ	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Sports Event Management	2334BSSEM	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Practical Training/ Internship	2335BSPIE	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	PR, Sponsorship & Advertising in Sports	2336BSPSA	2	2	Fully Attained	NA
	Digital Marketing	2336BSDM	NA	NA	NA	NA
	Selling Skills	2337BSSE	2	2	Fully Attained	NA
	Sanskrit	2337BSSA	NA	NA	NA	NA
IV	Sports Law & Risk Management	2341BSLRM	2	2	Fully Attained	NA

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Global Sports Tourism	2342BSGST	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Sports Health & Nutrition	2343BSSHN	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Sports Psychology	2344BSPSY	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Practical Training/ Internship	2345BSPTA	1.4	1.4	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Brand Management	2346BSBMT	2.4	2	Fully Attained	NA
	Sales & Promotion Management	2346BSSPM	NA	NA	NA	NA
	Environmental Studies	2347BSES	1.2	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
V	Media Management	2051BSMED	2	2	Fully Attained	NA
	Ethics & Governance	2052BSEGV	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Entrepreneurship & Project Management	2055BSEPM	2	2	Fully Attained	NA
	International Sports Management	2053BSISM	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Global Leadership & Culture	2053BSGLC	NA	NA	NA	NA
	Sports Training & Tactics	2054BSSTT	2	2	Fully Attained	NA
	Sports & Intellectual Property	2054BSSIP	NA	NA	NA	NA
	Advanced Practical Sports Management	2056BSAPS	2	2	Fully Attained	NA
VI	Soft Skills & Personality Development	2062BSSPD	2.6	2	Fully Attained	NA
	Case Studies	2063BSCS	2.8	2	Fully Attained	NA
	Sports & Allied Industry Research	2064BSIEP	3	2	Fully Attained	NA
	Final Project and Viva	2065BSFPV	3	2	Fully Attained	NA
	Management of Adaptive Sports	2061BSMAS	2	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

		AVERAGE	1.82			
NA: Not applicable as target level is fully attained.						

Table No. UG A3.2a: PO Attainment Level- B.B.A. in Sports Management - BBA- SM-Academic Year 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
A2023-24	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG A3.3: Results of CO-PO attainment-B.B.A. in Sports Management - BBA- SM-Academic Year 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	Fundamentals of Sports and New Age Dynamics	UHS101 FSA 23 MA	2.5	2.5	2.5	2.5	2.5	
	Leadership Principles in Sports	UHS102 LPS 23 MA	2.5	2.5			2.5	
	World Cultures - I	UHS103 WC 23 O	2	2	2		2	
	Indian Economy	UHS104 IE 23 O	1.75	1.75	1.75	1.75		
	Professional Learning Experience in Sports Management - I	UHS105 PLE 23 VS		1.5		1.5		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W). MUMBAI - 400 064.

	Effective Presentation Skills	UHS106 EPS 23 SC	1.75		1.75	1.75	1.75	
	Functional English - I	UHS107 FE 23 A	1.25					
	Environmental Studies	UHS108 ES 23 V	1.5				1.5	
	Constitution of India and Human Rights	UHS109 CIH 23 IK			1		1	
	Basics of Yoga - I	UHS110 BY 23 C	0.5	0.5		0.5		
II	Management of Sports Leagues and Teams	UHS201 MSL 23 MA	3	3		3	3	
	Sports Risk Management	UHS202 SRM 23 MA	1.25	1.25		1.25		
	Principle of Management	UHS203 POM 23 MI	1.5	1.5	1.5		1.5	
	World Cultures – II	UHS204 WC 23 O	1.75	1.75	1.75		1.75	
	India Socio Political Economics System & Current Affairs	UHS205 ISP 23 O	1.5	1.5			1.5	
	Professional Learning Experience in Sports Management - II	UHS206 PLE 23 VS		2		2		
	Selling and Negotiation Skills	UHS207 SNS 23 SC	1.5			1.5		
	Hindi - I	UHS208 HN 23 A	1.75	1.75	1.75			
	Personal Effectiveness at Workplace	UHS209 PEW 23 V		1.5				
	Basics of Yoga – II	UHS210 BY 23 C	1.3					
III	Sports & Entertainment Marketing	2331BSENT	2.8	2.8	2.8		2.8	2.8
	Sports Funding & Financial Management	2332BSSFF	2	2	2	2		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Sports Media, Broadcasting & Journalism	2333BSMBJ	1.6	1.6	1.6	1.6	1.6	
	Sports Event Management	2334BSSEM	1.4	1.4	1.4	1.4		
	Practical Training/ Internship	2335BSPIE	1.4	1.4				
	PR, Sponsorship & Advertising in Sports	2336BSPSA	2	2	2	2	2	
	Selling Skills	2337BSSE	2	2				
IV	Sports Law & Risk Management	2341BSLRM	2	2	2	2		
	Global Sports Tourism	2342BSGST	1.8	1.8	1.8			
	Sports Health & Nutrition	2343BSSHN	1.6	1.6	1.6	1.6		
	Sports Psychology	2344BSPSY	1					
	Practical Training/ Internship	2345BSPTA	1.4	1.4				
	Brand Management	2346BSBMT	2.4	2.4	2.4			
	Environmental Studies	2347BSES	1.2	1.2	1.2			
V	Media Management	2051BSMED	2	2	2			
	Ethics & Governance	2052BSEGV		1.6	1.6			
	Entrepreneurship & Project Management	2055BSEPM	2	2	2			
	International Sports Management	2053BSISM	1	1	1			
	Sports Training & Tactics	2054BSSTT	2	2	2			
	Advanced Practical Sports Management	2056BSAPS	2	2	2			
VI	Soft Skills & Personality Development	2062BSSPD	2.6	2.6	2.6	2.6		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W). MUMBAI - 400 064.

	Environmental Studies	UHT 108 ES 23 V	2	2	Fully Attained	NA
	Constitution of India & Human Rights	UHT 109 CIH 23 IK	2	2	Fully Attained	NA
	Basics of Yoga - I	UHT 110 BY 23 C	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
II	Principles and Practices of Travel and Tourism	UHT 201 PPT 23 MA	3	2	Fully Attained	NA
	Art Heritage of India	UHT 202 AHI 23 MA	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Human Resource Management	UHT 203 HRM 23 MI	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	World Cultures – II	UHT 204 WC 23 O	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	International Sports Management - II	UHT 204 ISM 23 O	NA	NA	NA	NA
	Indian Economy	UHT 205 IE 23 O	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Mathematics	UHT 205 BST 23 O	NA	NA	NA	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	and Statistics - II					
	IT in Business – II	UHT 206 ITB 23 VS	0.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Selling and Negotiation Skills	UHT 207 SS 23 SC	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	French - I	UHT 208 FR 23 A	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Personal Effectiveness at Workplace	UHT 209 PEW 23 V	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Basics of Yoga - II	UHT 210 BY 23 C	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
III	Travel Agency and Tour Operations	2131UHTMTA	3	2	Fully Attained	NA
	Travel Documentation	2132UHTMTD	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Tourism Economics	2133UHTMTE	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Practical Training/ Internship	2136UHTMIE	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Customer Service in the Tourism Industry	2134UHTMCS	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Consumer Behaviour	2134UHTMCB	NA	NA	NA	NA
	Digital Marketing & Advertising	2135UHTMDM	2	2	Fully Attained	NA
	Foundation Course-1	2135UHTMFC	NA	NA	NA	NA
	Foreign Language (French)	2137UHTMFR	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
IV	Legal Aspects of Travel & Tourism	2141UHTMLA	3	2	Fully Attained	NA
	Tourism & Transport	2142UHTMTT	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Tourism & Technology	2143UHTMTE	2	2	Fully Attained	NA
	Practical Training/ Internship	2147UHTMPT	3.8	2	Fully Attained	NA
	Hospitality Management	2144UHTMHM	3	2	Fully Attained	NA
	Business Economics	2144UHTMBE	NA	NA	NA	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Corporate Communication & Public Relations	2145UHTMCC	2	2	Fully Attained	NA
	Foundation Course-2	2145UHTMFC	NA	NA	NA	NA
	Travel Writing and Photography	2146UHTMWP	2.4	2	Fully Attained	NA
V	Aviation Management	2251UHTMAM	2	2	Fully Attained	NA
	Sustainable Tourism	2252UHTMST	2	2	Fully Attained	NA
	Study tour / Destination study - Project report & Presentation	2253UHTMPJ	2.4	2	Fully Attained	NA
	Sports & Adventure Tourism	2254UHTMSA	2.6	2	Fully Attained	NA
	Niche Tourism	2254UHTMNT	NA	NA	NA	NA
	Medical & Wellness Tourism	2255UHTMMW	2	2	Fully Attained	NA
	Cruise Tourism	2255UHTMCT	NA	NA	NA	NA
	Introduction to Research Methods	2256UHTMRM	2.6	2	Fully Attained	NA
VI	Destination Planning	2261UHTMDM	2	2	Fully Attained	NA
	MICE	2262UHTMMC	2	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Tourism Marketing	2263UHTMTM	2.2	2	Fully Attained	NA
	Capstone Project	2264UHTMPJ	4.2	2	Fully Attained	NA
	Air Fares and Ticketing	2265UHTMAF	2.4	2	Fully Attained	NA
	Air Cargo and Logistics Management	2265UHTMAC	NA	NA	NA	NA
		AVERAGE	1.89			
NA means not applicable as target is fully attained.						

Table No. G.2a: PO Attainment Level- B.B.A. in Tourism & Travel Management
Academic Year - 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	5	4	Fully Attained	NA
A2023-24	3	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG A6.3: Results of CO-PO attainment
B.B.A. in Tourism & Travel Management
Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4
	Tourism Geography	UHT 101 TG 23 MA		2		2
	Travel & Tourism Industry	UHT 102 TTI 23 MA	1.25	1.25		1.25

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

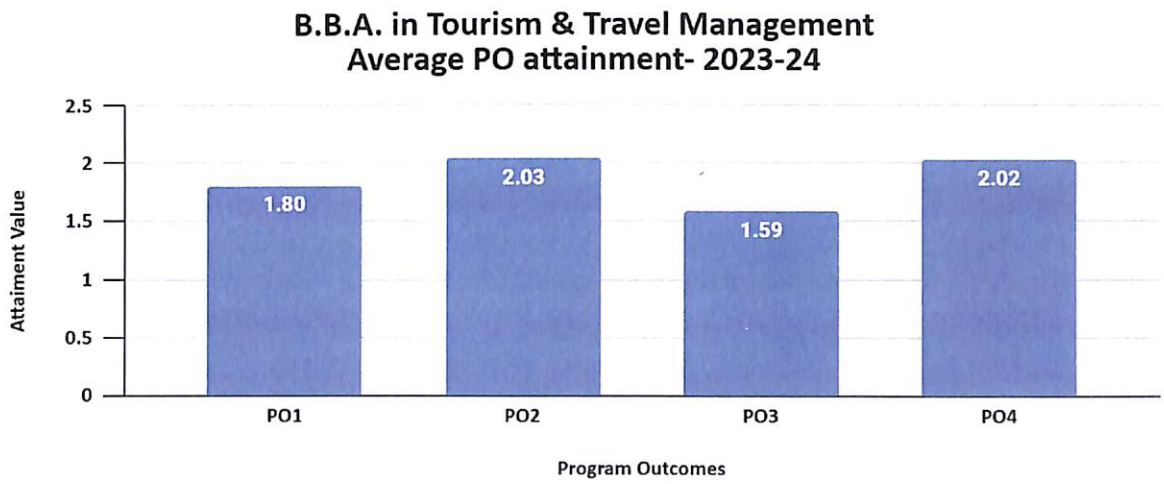
	World Cultures – I	UHT 103 WC 23 O		1		
	India Socio Political Economic System and Current Affairs	UHT 104 ISP 23 O				0.75
	IT in Business – I	UHT 105 IT 23 VS	1.25			
	Effective Presentation Skills	UHT 106 EPS 23 SC	1.75	1.75	1.75	1.75
	Functional English - I	UHT 107 FE 23 A	1.5	1.5		
	Environmental Studies	UHT 108 ES 23 V				2
	Constitution of India & Human Rights	UHT 109 CIH 23 IK				2
	Basics of Yoga - I	UHT 110 BY 23 C				1.5
II	Principles and Practices of Travel and Tourism	UHT 201 PPT 23 MA	3	3		3
	Art Heritage of India	UHT 202 AHI 23 MA	1.5	1.5		1.5
	Human Resource Management	UHT 203 HRM 23 MI	1.25	1.25	1.25	1.25
	World Cultures – II	UHT 204 WC 23 O		1		
	Indian Economy	UHT 205 IE 23 O		0.75	0.75	
	IT in Business – II	UHT 206 ITB 23 VS	0.5			
	Selling and Negotiation Skills	UHT 207 SS 23 SC	1.25	1.25	1.25	1.25
	French - I	UHT 208 FR 23 A			1	
	Personal Effectiveness at Workplace	UHT 209 PEW 23 V	1.25	1.25	1.25	
	Basics of Yoga - II	UHT 210 BY 23 C				1.75
III	Travel Agency and Tour Operations	2131UHTMTA		3		3
	Travel Documentation	2132UHTMTD		1.4		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Tourism Economics	2133UHTMTE	1.4			
	Practical Training/ Internship	2136UHTMIE		1.8		1.8
	Customer Service in the Tourism Industry	2134UHTMCS		1.8		
	Digital Marketing & Advertising	2135UHTMDM	2	2		2
	Foreign Language (French)	2137UHTMFR		1		
IV	Legal Aspects of Travel & Tourism	2141UHTMLA	3	3	3	
	Tourism & Transport	2142UHTMTT	1.6		1.6	
	Tourism & Technology	2143UHTMTE	2	2		
	Practical Training/ Internship	2147UHTMPT		3.8		3.8
	Hospitality Management	2144UHTMHM		3		3
	Corporate Communication & Public Relations	2145UHTMCC	2		2	
	Travel Writing and Photography	2146UHTMWP	2.4	2.4		
V	Aviation Management	2251UHTMAM	2	2		
	Sustainable Tourism	2252UHTMST			2	
	Study tour / Destination study - Project report & Presentation	2253UHTMPJ		2.4		2.4
	Sports & Adventure Tourism	2254UHTMSA	2.6	2.6		
	Medical & Wellness Tourism	2255UHTMMW		2		
	Introduction to Research Methods	2256UHTMRM		2.6		
VI	Destination Planning	2261UHTMDM	2	2		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	MICE	2262UHTMMC	2	2		
	Tourism Marketing	2263UHTMTM	2.2	2.2		
	Capstone Project	2264UHTMPJ		4.2		
	Air Fares and Ticketing	2265UHTMAF		2.4		2.4
		AVERAGE	1.80	2.03	1.59	2.02



From above graph, it is observed that average PO attainment value for two of the program outcomes is greater than 2. It means, PO attainment by corresponding courses is at good level (value between 1.5 and 2.0).

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

ANNEXTURE UG A7
B.Sc. in Integrative Nutrition & Dietetics - B. Sc. (IND)

Table No. UG A7.1: PO CO Mapping Matrix:
B.Sc. in Integrative Nutrition & Dietetics - B. Sc. (IND): Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	Basic Nutrition - Energy and Macronutrients	UHIND101 BN 23 MA	*					
	Human Physiology – I	UHIND102 HP 23 MA	*					
	International Sports Management – I	UHIND103 ISM 23 O		*				
	India Socio Political Economics System & Current Affairs	UHIND103 ISP 23 O			*			
	World Cultures – I	UHIND104 WC 23 O			*			
	Business Mathematics and Statistics – I	UHIND104 BMS 23 O		*				
	Food Analysis	UHIND105 FA 23 VS				*		
	Physiology	UHIND106 PH 23 SC				*		
	Functional English – I	UHIND107 FE 23 A		*				
	Environmental Studies	UHIND108 ES 23 V			*			
	Constitution of India & Human Rights	UHIND109 CIH 23 IK			*			

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Basics of Yoga - I	UHIND110 BY 23 C				*		
II	Food Science and Food Chemistry	UHIND201 FS 23 MA	*					
	Basic Nutrition - Micronutrients and Water	UHIND202 BNM 23 MA	*					
	Food Spoilage	UHIND203 FS 23 MI		*				
	International Sports Management - II	UHIND204 ISM 23 O				*		
	Indian Economy	UHIND204 IE 23 O			*			
	World Cultures - II	UHIND205 WC 23 O			*			
	Business Mathematics and Statistics - II	UHIND205 BMS 23 O		*				
	Meal Planning	UHIND206 MP 23 VS				*		
	Food Science	UHIND207 FS 23 SC				*		
	Functional English - II	UHIND208 FR 23 A		*				
	Personal Effectiveness at Workplace	UHIND209 PEW 23 V				*		
	Basics of Yoga - II	UHIND210 BY 23 C				*		
III	Introduction to Food Planning	2131UHNDFP		*				
	Food Chemistry	2132UHNDFC	*					

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Food Processing & Preservation - I	2133UHNDFP		*				
	Practical Training/Internship- I	2137UHNDIE				*		
	Physiology – II	2134UHNDPH	*					
	Communication & Counselling Skills -II	2135UHNDCS		*				
	Information Communication & Technology	2136UHNDICT			*			
	Sanskrit	2138UHNDSA	* *			* *	* *	
	Selling Skills	2138UHNDSE						
IV	Fundamentals of Biochemistry	2141UHNDFB	*					
	Clinical Biochemistry	2142UHNDCB		*				
	Food Processing & Preservation – II	2143UHNDFPP	*					
	Food Processing & Preservation - II (Practicals)	2143UHNDFPR				*		
	Nutrition across Lifecycle	2144UHNDNL	*					
	Nutrition across Lifecycle (Practicals)	2144UHNDNLP				*		
	Physiology – III	2145UHNDPH	*					

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Entrepreneurship & Management	2146UHNDEM				*		
	Yoga & Ethics	2147UHNDYE	*		*			
	Sanskrit	2147UHNDSA						
V	Clinical Nutrition – I	2251UHNDCN	*					
	Clinical Nutrition – I (Practicals)	2251UHNDCNP		*				
	Diet Therapy – I	2252UHNDDT	*					
	Diet Therapy – I (Practicals)	2252UHNDDTP		*				
	Nutrition, Exercise and Fitness - I	2253UHNDNEF	*					
	Physiology – IV	2254UHNDPH	*					
	Practical Training/Internship- II	2255UHNDIE				*		
	Sanskrit	2256UHNDSA	*			*		
	Effective Presentation Skills	2256UHNDPS						
VI	Lifestyle Pillars	2261UHNDLP			*			
	Clinical Nutrition – II	2262UHNDCN	*					
	Clinical Nutrition – II (practicals)	2262UHNDCNP		*				
	Diet Therapy – II	2263UHNDDT	*					
	Diet Therapy - II (Practicals)	2263UHNDDTP		*				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Nutrition, Exercise and Fitness - II	2264UHNDEF	*					
	Yoga and Exercise	2265UHNDYE			*			
	Practical Training/Internship-III	2266UHNDPT				*		
	Human Rights & Indian Constitutions	2267UHNDHI			*			

Table No. G.2: CO Attainment Level: B.Sc. in Integrative Nutrition & Dietetics - B. Sc. (IND): Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Basic Nutrition - Energy and Macronutrients	UHIND101 BN 23 MA	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Human Physiology – I	UHIND102 HP 23 MA	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	International Sports Management – I	UHIND103 ISM 23 O	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	India Socio Political Economics	UHIND103 ISP 23 O	NA	NA	NA	NA

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	System & Current Affairs					
I	World Cultures – I	UHIND104 WC 23 O	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Mathematics and Statistics – I	UHIND10 4 BMS 23 O	NA	NA	NA	NA
	Food Analysis	UHIND105 FA 23 VS	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Physiology	UHIND106 PH 23 SC	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Functional English – I	UHIND107 FE 23 A	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Environmental Studies	UHIND108 ES 23 V	2	2	Fully Attained	NA
	Constitution of India & Human Rights	UHIND109 CIH 23 IK	2.25	2	Fully Attained	NA
	Basics of Yoga - I	UHIND110 BY 23 C	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Food Science and Food	UHIND201 FS 23 MA	1	2	Not Fully Attained	Assignments, tutorials

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Chemistry					exercises and remedial coaching shall be planned
II	Basic Nutrition - Micronutrients and Water	UHIND202 BNM 23 MA	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Food Spoilage	UHIND203 FS 23 MI	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	International Sports Management - II	UHIND204 ISM 23 O	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Indian Economy	UHIND204 IE 23 O	NA	NA	NA	NA
II	World Cultures - II	UHIND205 WC 23 O	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Mathematics and Statistics - II	UHIND205 BMS 23 O	NA	NA	NA	NA
	Meal Planning	UHIND206 MP 23 VS	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Food Science	UHIND207 FS 23 SC	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

						coaching shall be planned
	Functional English - II	UHIND208 FE 23 A	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Personal Effectiveness at Workplace	UHIND209 PEW 23 V	2	2	Fully Attained	NA
	Basics of Yoga - II	UHIND210 BY 23 C	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
III	Introduction to Food Planning	2131UHND FP	2	2	Fully Attained	NA
	Food Chemistry	2132UHND FC	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Food Processing & Preservation - I	2133UHND FP	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Practical Training/Internship- I	2137UHND IE	3	2	Fully Attained	NA
	Physiology – II	2134UHND PH	0.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Communication & Counselling	2135UHND CS	2.6	2	Fully Attained	NA

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Skills -II					
	Information Communication & Technology	2136UHND ICT	3	2	Fully Attained	NA
	Sanskrit	2138UHND SA	NA	NA	NA	NA
	Selling Skills	2138UHND SE	2	2	Fully Attained	NA
IV	Fundamentals of Biochemistry	2141UHND FB	2	2	Fully Attained	NA
	Clinical Biochemistry	2142UHND CB	2	2	Fully Attained	NA
	Food Processing & Preservation – II	2143UHND FPP	2	2	Fully Attained	NA
	Food Processing & Preservation - II (Practicals)	2143UHND FPR	2	2	Fully Attained	NA
	Nutrition across Lifecycle	2144UHND NL	2	2	Fully Attained	NA
	Nutrition across Lifecycle (Practicals)	2144UHND NLP	2	2	Fully Attained	NA
	Physiology – III	2145UHND PH	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Entrepreneurship & Management	2146UHND EM	3	2	Fully Attained	NA
	Yoga & Ethics	2147UHND YE	2	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Sanskrit	2147UHNDSA	NA	NA	NA	NA
V	Clinical Nutrition – I	2251UHNDCN	2	2	Fully Attained	NA
	Clinical Nutrition – I (Practicals)	2251UHNDCNP	3	2	Fully Attained	NA
	Diet Therapy – I	2252UHNDDT	3	2	Fully Attained	NA
	Diet Therapy – I (Practicals)	2252UHNDDTP	3	2	Fully Attained	NA
	Nutrition, Exercise and Fitness - I	2253UHNDNEF	3	2	Fully Attained	NA
	Physiology – IV	2254UHNDPH	3	2	Fully Attained	NA
	Practical Training/Internship- II	2255UHNDIE	2	2	Fully Attained	NA
	Effective Presentation Skills	2256UHNDPS	3	2	Fully Attained	NA
	Sanskrit	2256UHNDSA	NA	NA	NA	NA
VI	Lifestyle Pillars	2261UHNDLP	3	2	Fully Attained	NA
	Clinical Nutrition – II	2262UHNDCN	3	2	Fully Attained	NA
	Diet Therapy – II	2263UHNDDT	2	2	Fully Attained	NA
	Diet Therapy - II (Practicals)	2263UHNDDTP	3	2	Fully Attained	NA
	Nutrition, Exercise and Fitness - II	2264UHNDEF	3	2	Fully Attained	NA
	Yoga and Exercise	2265UHNDYE	3	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Practical Training/Internship-III	2266UHNDPT	4	2	Fully Attained	NA
	Human Rights & Indian Constitutions	2267UHNDHI	3	2	Fully Attained	NA
		AVERAGE	2.06			
NA means not applicable as target is fully attained.						

Table No. UG 7.2a: PO Attainment Level- B. Sc. in Integrative Nutrition & Dietetics – 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
A2023-24	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG A7.3: Results of CO-PO attainment- B.Sc. in Integrative Nutrition & Dietetics - B. Sc. (IND): Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
	Basic Nutrition - Energy and Macronutrients	UHIND101 BN 23 MA	1.5					
	Human Physiology – I	UHIND102 HP 23 MA	1					
	International Sports Management – I	UHIND103 ISM 23 O		1				
	World Cultures – I	UHIND104 WC 23 O			1			

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Food Analysis	UHIND105 FA 23 VS				1.75		
	Physiology	UHIND106 PH 23 SC				1.25		
	Functional English – I	UHIND107 FE 23 A		1.75				
	Environmental Studies	UHIND108 ES 23 V			2			
	Constitution of India & Human Rights	UHIND109 CIH 23 IK			2.25			
	Basics of Yoga - I	UHIND110 BY 23 C				1.75		
II	Food Science and Food Chemistry	UHIND201 FS 23 MA	1					
	Basic Nutrition - Micronutrients and Water	UHIND202 BNM 23 MA	1					
	Food Spoilage	UHIND203 FS 23 MI		0.75				
	International Sports Management - II	UHIND204 ISM 23 O				1.75		
	World Cultures - II	UHIND205 WC 23 O			1			
	Meal Planning	UHIND206 MP 23 VS				1.5		
	Food Science	UHIND207 FS 23 SC				1.75		
	Functional English - II	UHIND208 FE 23 A		1				
	Personal Effectiveness at Workplace	UHIND209 PEW 23 V				2		
	Basics of Yoga - II	UHIND210 BY 23 C				1.75		
Sem 3	Introduction to Food Planning	2131UHNDFP		2				
	Food Chemistry	2132UHNDFC	1.4					
	Food Processing & Preservation - I	2133UHNDFP		1.8				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Practical Training/Internship- I	2137UHNDIE				3		
	Physiology – II	2134UHNDPH	0.8					
	Communication & Counselling Skills -II	2135UHNDCS		2.6				
	Information Communication & Technology	2136UHNDICT			3			
	Selling Skills	2138UHNDSE	2			2	2	
Sem 4	Fundamentals of Biochemistry	2141UHNDFB	2					
	Clinical Biochemistry	2142UHNDCB		2				
	Food Processing & Preservation – II	2143UHNDFPP	2					
	Food Processing & Preservation - II (Practicals)	2143UHNDFPR				2		
	Nutrition across Lifecycle	2144UHNDNL	2					
	Nutrition across Lifecycle (Practicals)	2144UHNDNLP				2		
	Physiology – III	2145UHNDPH	1					
	Entrepreneurship & Management	2146UHNDEM				3		
	Yoga & Ethics	2147UHNDYE	2		2			
Sem 5	Clinical Nutrition – I	2251UHNDCN	2					
	Clinical Nutrition – I (Practicals)	2251UHNDCNP		3				
	Diet Therapy – I	2252UHNDDT	3					
	Diet Therapy – I (Practicals)	2252UHNDDTP		3				
	Nutrition, Exercise and Fitness - I	2253UHNDNEF	3					
	Physiology – IV	2254UHNDPH	3					

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

I	Tourism Geography	UHT 101 TG 23 MA	2	2	Fully Attained	NA
	Travel & Tourism Industry	UHT 102 TTI 23 MA	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	World Cultures – I	UHT 103 WC 23 O	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	International Sports Management - I	UHT 103 ISM 23 O	NA	NA	NA	NA
	India Socio Political Economic System and Current Affairs	UHT 104 ISP 23 O	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Business Mathematics and Statistics – I	UHT 104 BMS 23 O	NA	NA	NA	NA
	IT in Business – I	UHT 105 IT 23 VS	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Effective Presentation Skills	UHT 106 EPS 23 SC	1.75		Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Functional English - I	UHT 107 FE 23 A	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

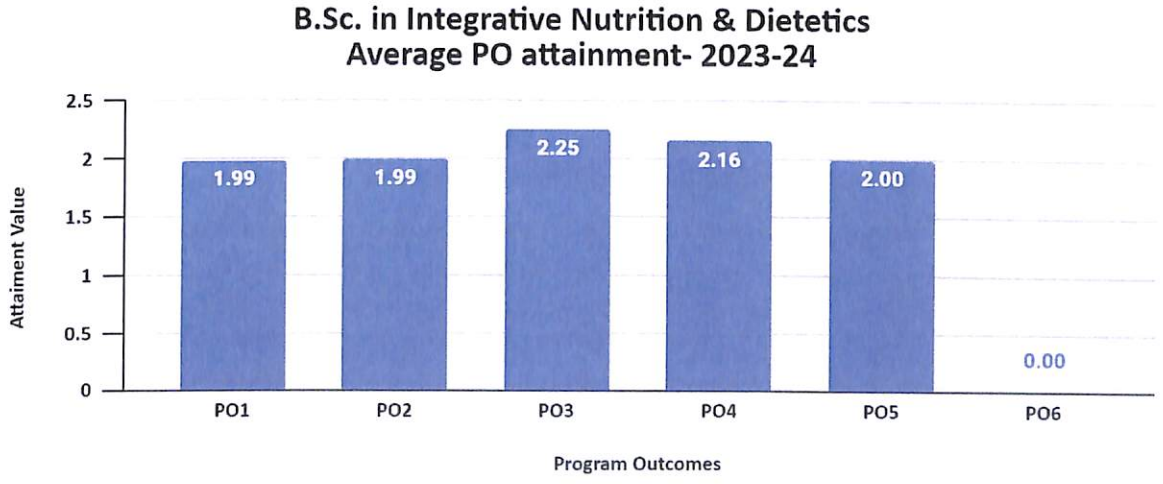
	Sustainable Tourism	2252UHTMST			*	
	Study tour / Destination study - Project report & Presentation	2253UHTMPJ		*		*
	Sports & Adventure Tourism	2254UHTMSA	*	*		
	Niche Tourism	2254UHTMNT	*	*		
	Medical & Wellness Tourism	2255UHTMMW		*		
	Cruise Tourism	2255UHTMCT		*		
	Introduction to Research Methods	2256UHTMRM		*		
VI	Destination Planning	2261UHTMDM	*	*		
	MICE	2262UHTMMC	*	*		
	Tourism Marketing	2263UHTMTM	*	*		
	Capstone Project	2264UHTMPJ		*		
	Air Fares and Ticketing	2265UHTMAF		*		*
	Air Cargo and Logistics Management	2265UHTMAC		*		*

Table No. UG A6.2: CO Attainment Level: B.B.A. in Tourism & Travel Management
Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Practical Training/Internship- II	2255UHNDIE				2		
	Effective Presentation Skills	2256UHNDPS	3			3		
Sem 6	Lifestyle Pillars	2261UHNDLP			3			
	Clinical Nutrition – II	2262UHNDCN	3					
	Diet Therapy – II	2263UHNDDT	2					
	Diet Therapy - II (Practicals)	2263UHNDDTP		3				
	Nutrition, Exercise and Fitness - II	2264UHNDEF	3					
	Yoga and Exercise	2265UHNDYE			3			
	Practical Training/Internship-III	2266UHNDPT				4		
	Human Rights & Indian Constitutions	2267UHNDHI			3			
		AVERAGE	1.99	1.99	2.22	2.16	2.00	0.00



From above graph, it is observed that average PO attainment value for three of the program outcomes is greater than 2. It means, PO attainment by corresponding courses is at very good level (value between 2 and 2.5).

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

ANNEXTURE UG A8
B.Sc. in Interior Design - B. Sc. ID

Table No. UG A8.1: PO CO Mapping Matrix:
B.Sc. in Interior Design - B. Sc. ID: Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	Fundamentals of Design – 2 Dimensional	UHID 101 FD 23 MA	*	*				
	Residential Interior Design	UHID 102 RID 23 MA	*	*		*	*	*
	Basics of Graphic & Freehand Sketching - I	UHID 103 BGS 23 O	*	*				
	World Culture - I	UHID 103 WC 23 O		*	*		*	
	Basics of Graphic & Freehand Sketching - II	UHID 104 BGS 23 O	*	*				
	World Culture - II	UHID 104 WC 23 O					*	
	History of Design – Ancient Civilization	UHID 105 HDC 23 VS	*	*			*	
	Basics of Material Selection	UHID 106 BMS 23 SC	*	*			*	*
	Functional English - I	UHID 107 FE 23 A					*	*
	Environmental Studies	UHID 108 ES 23 V					*	*
	Constitution of India & Human Rights	UHID 109 CIH 23 IK					*	*

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064

	Workshop - Model Making & Visual Studies	UHID 110 WMV 23 C	*	*		*	*	
II	Basics of Design – 3 Dimensional	UHID 201 BD 23 MA	*	*		*		
	Interior Design of Villa & Bungalow	UHID 202 RID 23 MA	*	*		*	*	*
	Humanities for Designers	UHID 203 HID 23 MI	*	*		*	*	*
	Advance Methods of Graphics & Free Hand Sketching - I	UHID 204 AGS 23 O	*	*				
	Indian Economy	UHID 204 IE 23 O					*	
	Advance Methods of Graphics & Free Hand Sketching - II	UHID 205 AGS 23 O	*	*			*	
	India Socio Political Economic & Current Affairs	UHID 205 ISP 23 O					*	
	History of Design - Trends & Movements	UHID 206 HDT 23 VS	*	*			*	
	Basics of Construction	UHID 207 BC 23 SC	*	*			*	*
	French - I	UHID 208 FR 23 A				*	*	*
	Lifestyle Pillars - I	UHID 209 LP 23 V				*	*	*
	Workshop - Model Making & Visual Study - II	UHID 210 WMV 23 C	*	*		*	*	

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

III	Interior Design for Boutique	2131UHIDBT	*	*	*	*	*	
	Materials & Methods of Construction for Enclosures	2132UHIDCE	*	*		*	*	
	Technical Drawing for Villa & Bungalow	2133UHIDVBD	*	*		*	*	
	Technical Services for Villa & Bungalow	2134UHIDVBS			*	*	*	*
	Practical Training/ Internship	2138UHIDPTI					*	*
	Communication Skills – I	2135UHIDCS				*	*	*
	Introduction to Computer Aided Design (CAD)	2136UHIDCAD	*	*	*	*		*
	Sanskrit	2137UHIDSA					*	*
	Selling Skills	2137UHIDSE					*	*
IV	Interior Design for Club House	2141UHIDCH	*	*	*	*	*	
	Construction Material & Methods for Ceiling & Floor	2142UHIDCF	*	*	*	*	*	
	Technical Drawing for Boutique	2143UHIDBTPR	*	*	*	*		
	Basics of Plumbing & HVAC System	2144UHIDPH	*		*	*		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Practical Training/Internship	2145UHIDPTI					*	*
	Advance Computer Aided Design	2146UHIDCAD			*	*	*	*
	Yoga & Ethics	2147UHIDYE				*		
	Nutrition & Lifestyle	2147UHIDNL				*		
	Communication Skills – II	2148UHIDCS					*	*
V	Interior Design of Restaurant	2251UHIDRTPR	*	*	*	*	*	
	Methods & Techniques of Mill Works	2252UHIDMW	*	*	*	*	*	*
	Fundamentals of Tender Documents	2253UHIDTD				*	*	*
	Introduction to Building Management System	2254UHIDBM				*	*	*
	Interior Design Dissertation	2255UHIDDNPR				*	*	*
	Project Management	2256UHIDPMPR			*	*	*	*
	Introduction to Rendering Software	2257UHIDRS			*	*	*	*
	Sanskrit	2258UHIDPMSA			*	*	*	*
	Effective Presentation Skills	2258UHIDPMPS			*	*	*	*

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

VI	Professional Practice	2261UHIDPP					*	*
	Internship	2262UHIDINPR						*
	Dissertation	2263UHIDTHPR					*	*
	Product Designing	2264UHIDPD			*	*	*	*
	Human Rights & Indian Constitution	2265UHIDHRI					*	*

Table No. UG A8.2: CO Attainment Level: B.Sc. in Interior Design - B. Sc. ID: Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Fundamentals of Design – 2 Dimensional	UHID 101 FD 23 MA	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Residential Interior Design	UHID 102 RID 23 MA	2	2	Fully Attained	NA
	Basics of Graphic & Freehand Sketching - I	UHID 103 BGS 23 O	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	World Culture - I	UHID 103 WC 23 O	NA	NA	NA	NA
I	Basics of Graphic & Freehand Sketching - II	UHID 104 BGS 23 O	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	World Culture - II	UHID 104 WC 23 O	NA	NA	NA	NA
	History of Design – Ancient Civilization	UHID 105 HDC 23 VS	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Basics of Material Selection	UHID 106 BMS 23 SC	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Functional English - I	UHID 107 FE 23 A	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Environmental Studies	UHID 108 ES 23 V	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Constitution of India & Human Rights	UHID 109 CIH 23 IK	2	2	Fully Attained	NA
	Workshop - Model Making & Visual Studies	UHID 110 WMV 23 C	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
II	Basics of Design – 3 Dimensional	UHID 201 BD 23 MA	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Interior Design of Villa & Bungalow	UHID 202 RID 23 MA	2.5	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

II	Humanities for Designers	UHID 203 HID 23 MI	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Advance Methods of Graphics & Free Hand Sketching - I	UHID 204 AGS 23 O	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Indian Economy	UHID 204 IE 23 O	NA	NA	NA	NA
	Advance Methods of Graphics & Free Hand Sketching - II	UHID 205 AGS 23 O	0.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	India Socio Political Economic & Current Affairs	UHID 205 ISP 23 O	NA	NA	NA	NA
	History of Design - Trends & Movements	UHID 206 HDT 23 VS	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Basics of Construction	UHID 207 BC 23 SC	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	French - I	UHID 208 FR 23 A	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Lifestyle Pillars - I	UHID 209 LP 23 V	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Workshop - Model Making & Visual Study - II	UHID 210 WMV 23 C	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
III	Interior Design for Boutique	2131UHIDBT	2	2	Fully Attained	NA
	Materials & Methods of Construction for Enclosures	2132UHIDCE	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Technical Drawing for Villa & Bungalow	2133UHIDVBD	2	2	Fully Attained	NA
	Technical Services for Villa & Bungalow	2134UHIDVBS	2	2	Fully Attained	NA
	Training/ Internship	2138UHIDPTI	3	2	Fully Attained	NA
	Communication Skills – I	2135UHIDCS	2	2	Fully Attained	NA
III	Introduction to Computer Aided Design (CAD)	2136UHIDCAD	2	2	Fully Attained	NA
	Selling Skills	2137UHIDSE	3.4	2	Fully Attained	NA
	Sanskrit	2137UHIDSA	NA	NA	NA	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

IV	Interior Design for Club House	2141UHIDCH	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Construction Material & Methods for Ceiling & Floor	2142UHIDCF	2	2	Fully Attained	NA
	Technical Drawing for Boutique	2143UHIDBTPR	2	2	Fully Attained	NA
	Basics of Plumbing & HVAC System	2144UHIDPH	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Practical Training/Internship	2145UHIDPTI	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Advance Computer Aided Design	2146UHIDCAD	2.6	2	Fully Attained	NA
	Yoga & Ethics	2147UHIDYE	3.6	2	Fully Attained	NA
	Nutrition & Lifestyle	2147UHIDNL	NA	NA	NA	NA
	Communication Skills – II	2148UHIDCS	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
V	Interior Design of Restaurant	2251UHIDRTPR	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

						planned
	Methods & Techniques of Mill Works	2252UHIDMW	2	2	Fully Attained	NA
	Fundamentals of Tender Documents	2253UHIDTD	2	2	Fully Attained	NA
	Introduction to Building Management System	2254UHIDBM	2.4	2	Fully Attained	NA
	Interior Design Dissertation	2255UHIDDNPR	2	2	Fully Attained	NA
	Project Management	2256UHIDPMPR	2.6	2	Fully Attained	NA
	Introduction to Rendering Software	2257UHIDRS	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Effective Presentation Skills	2258UHIDPMPS	3	2	Fully Attained	NA
	Sanskrit	2258UHIDPMSA	NA	NA	NA	NA
VI	Professional Practice	2261UHIDPP	2	2	Fully Attained	NA
	Internship	2262UHIDINPR	5	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Dissertation	2263UHIDTHPR	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Product Designing	2264UHIDPD	3	2	Fully Attained	NA
	Human Rights & Indian Constitution	2265UHIDHRI	0	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
		AVERAGE	1.75			
NA means not applicable as target is fully attained.						

Table No. UG A8.2a: PO Attainment Level- B.Sc. in Interior Design - B. Sc. ID: Academic Year - 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
A2023-24	3	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG A8.3: Results of CO-PO attainment- B.Sc. in Interior Design - B. Sc. ID: Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	Fundamentals of Design – 2 Dimensional	UHID 101 FD 23 MA	1.25	1.25				
	Residential Interior Design	UHID 102 RID 23 MA	2	2		2	2	2

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Basics of Graphic & Freehand Sketching - I	UHID 103 BGS 23 O	1	1				
	Basics of Graphic & Freehand Sketching - II	UHID 104 BGS 23 O	1.25	1.25				
	History of Design – Ancient Civilization	UHID 105 HDC 23 VS	0.75	0.75			0.75	
	Basics of Material Selection	UHID 106 BMS 23 SC	1	1			1	1
	Functional English - I	UHID 107 FE 23 A					1	1
	Environmental Studies	UHID 108 ES 23 V					1.5	1.5
	Constitution of India & Human Rights	UHID 109 CIH 23 IK					2	2
	Workshop - Model Making & Visual Studies	UHID 110 WMV 23 C	1.5	1.5		1.5	1.5	
II	Basics of Design – 3 Dimensional	UHID 201 BD 23 MA	1	1		1		
	Interior Design of Villa & Bungalow	UHID 202 RID 23 MA	2.5	2.5		2.5	2.5	2.5
	Humanities for Designers	UHID 203 HID 23 MI	0.75	0.75		0.75	0.75	0.75
	Advance Methods of Graphics & Free Hand Sketching - I	UHID 204 AGS 23 O	1.25	1.25				
	Advance Methods of Graphics & Free Hand Sketching - II	UHID 205 AGS 23 O	0.5	0.5			0.5	
	History of Design - Trends & Movements	UHID 206 HDT 23 VS	1.75	1.75			1.75	
	Basics of Construction	UHID 207 BC 23 SC	1.25	1.25			1.25	1.25
	French - I	UHID 208 FR 23 A				1	1	1
	Lifestyle Pillars - I	UHID 209 LP 23 V				0.75	0.75	0.75

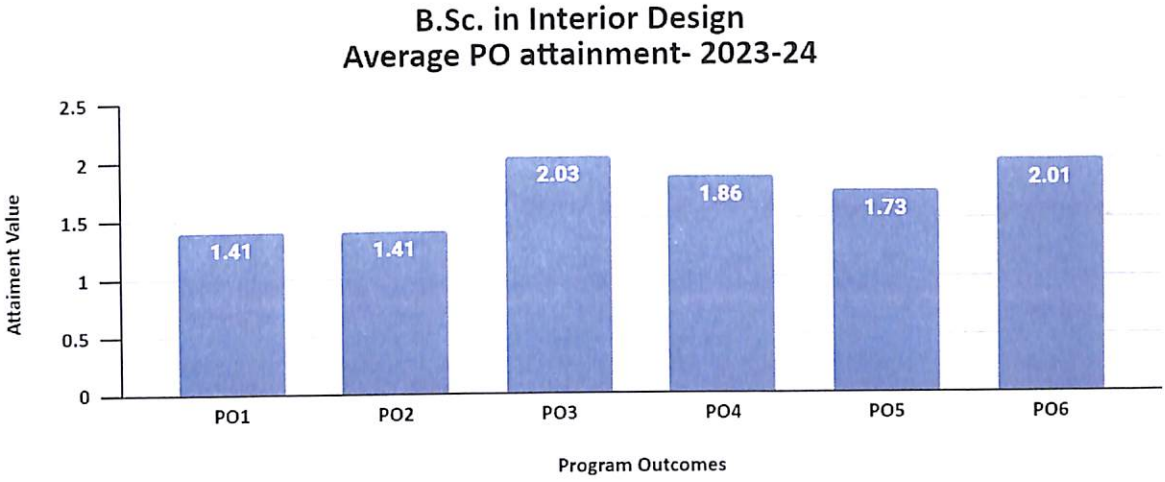
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(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Workshop - Model Making & Visual Study - II	UHID 210 WMV 23 C	1	1		1	1	
III	Interior Design for Boutique	2131UHIDBT	2	2	2	2	2	
	Materials & Methods of Construction for Enclosures	2132UHIDCE	1	1		1	1	
	Technical Drawing for Villa & Bungalow	2133UHIDVBD	2	2		2	2	
	Technical Services for Villa & Bungalow	2134UHIDVBS			2	2	2	2
	Practical Training/ Internship	2138UHIDPTI					3	3
	Communication Skills – I	2135UHIDCS				2	2	2
	Introduction to Computer Aided Design (CAD)	2136UHIDCAD	2	2	2	2		2
	Selling Skills	2137UHIDSE					3.4	3.4
IV	Interior Design for Club House	2141UHIDCH	1	1	1	1	1	
	Construction Material & Methods for Ceiling & Floor	2142UHIDCF	2	2	2	2	2	
	Technical Drawing for Boutique	2143UHIDBTPR	2	2	2	2		
	Basics of Plumbing & HVAC System	2144UHIDPH	1.4		1.4	1.4		
	Practical Training/Internship	2145UHIDPTI					1.6	1.6
	Advance Computer Aided Design	2146UHIDCAD			2.6	2.6	2.6	2.6
	Yoga & Ethics	2147UHIDYE				3.6		

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	Communication Skills – II	2148UHIDCS					3	3
V	Interior Design of Restaurant	2251UHIDRTPR	1	1	1	1	1	
	Methods & Techniques of Mill Works	2252UHIDMW	2	2	2	2	2	2
	Fundamentals of Tender Documents	2253UHIDTD				2	2	2
	Introduction to Building Management System	2254UHIDBM				2.4	2.4	2.4
	Interior Design Dissertation	2255UHIDDNPR				2	2	2
	Project Management	2256UHIDPMPR			2.6	2.6	2.6	2.6
	Introduction to Rendering Software	2257UHIDRS			1.8	1.8	1.8	1.8
	Effective Presentation Skills	2258UHIDPMPS			3	3	3	3
VI	Professional Practice	2261UHIDPP					2	2
	Internship	2262UHIDINPR						5
	Dissertation	2263UHIDTHPR					1	1
	Product Designing	2264UHIDPD			3	3	3	3
	Human Rights & Indian Constitution	2265UHIDHRI					0	0
		AVERAGE	1.41	1.41	2.03	1.86	1.73	2.01

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From above graph, it is observed that average PO attainment value for two of the program outcomes is greater than 2. It means, PO attainment by corresponding courses is at good level (value between 1.5 and 2.0).

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ANNEXTURE UG A9
Bachelor of Science (CS-AIML) - B. Sc. (CS-AIML)

Table No. UG A9.1: PO CO Mapping Matrix:
Bachelor of Science (CS-AIML) - B. Sc. (CS-AIML): Academic Year - 2023-24

Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
I	Problem Solving using Programming	UML101 PS23MA	*		*	*			*	*		
	Computer Fundamentals	UML102 CF23MA	*		*	*			*	*		
	Mathematics – I	UML105 MA23VS	*						*	*		
	English – I	UML107 EN23A		*			*		*	*		
	Coding and Computational Thinking – I	UML106 CC23SC	*		*	*			*	*		
	Environmental Science-I	UML108 ES23V						*				
	Indian Knowledge System	UML109 KS23K	*	*			*		*	*		
	Cocurricular Activity	UML110 CC23C		*					*	*		
	Principles of Management	UML103 PM23O	*	*					*	*		
	Introduction to Entrepreneurship	UML104 IE23O	*	*					*	*		
	Data Structures and Algorithms	UML201 DS23MA	*		*	*			*	*		

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	Database Management Systems	UML202 DB23M A	*		*	*			*	*		
	Foundations of AIML	UML203 FA23MI	*		*	*			*	*		
	Mathematics – II	UML206 MA23VS	*						*	*		
	English – II	UML208 EN23A		*			*		*	*		
	Coding and Computational Thinking-II	UML207 CC23SC	*		*	*			*	*		
	Cocurricular Activity	UML210 CC23C		*					*	*		
	Environmental Science-II	UML209 ES23V						*				
	Digital Marketing	UML204 DM23O	*	*					*	*		
	Production and operations Management	UML205 OM23O	*	*					*	*		
III	Digital Image Processing	2231UH AIDIP	*	*	*	*	*	*				
	Machine Learning	2232UH AIML	*	*	*	*	*	*				
	Numerical Methods and Optimization Techniques	2233UH AIOT	*				*	*				
	Python Programming	2234UH AIPP	*	*	*	*	*	*				
	Introduction to Cloud Technology	2236UH AICT	*				*	*				
	Any One from List A (Foundations of Leadership)	2237UH AIFL							*	*	*	

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	Digital Image Processing Practical	2231UH AIPR	*	*	*	*	*	*				
	Machine Learning Practical	2232UH AIPR	*	*	*	*	*	*				
	Python Programming Practical	2234UH AIPR	*	*	*	*	*	*				
IV	Artificial Neural Network	2241UH AINN	*	*	*	*	*	*				
	Data Visualization	2242UH AIDV	*	*	*	*	*	*				
	Natural Language Processing	2243UH AINL	*	*	*	*	*	*				
	Inferential Statistics	2244UH AIIS	*				*	*				
	PROLOG / OpenAI Programming	2245UH AIPL	*				*	*				
	Any One from List A (Project Management Fundamentals)	2247UH AIPM							*	*	*	
	Artificial Neural Network Practical	2241UH AIPR	*	*	*	*	*	*				
	Data Visualization Practical	2242UH AIPR	*	*	*	*	*	*				
	Natural Language Processing Practical	2243UH AIPR	*	*	*	*	*	*				
	PROLOG / OpenAI Programming Practical	2245UH AIPR	*				*	*				

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V	Advanced Machine Learning	2351UH AIAML	*	*	*	*	*	*				
	Cloud Web Services	2352UH AIWS	*	*	*	*	*	*				
	Internet of Things	2353UH AIIOT	*				*	*				
	Recommender Systems	2355UH AIRS	*	*	*	*	*	*				
	Advanced Machine Learning Practical	2351UH AIPR	*	*	*	*	*	*				
	Cloud Web Services Practical	2352UH AIPR	*	*	*	*	*	*				
	Recommender Systems Practical	2355UH AIPR	*	*	*	*	*	*				
VI	Deep Learning	2361UH AIDL	*	*	*	*	*	*				
	Big Data Analytics	2362UH AIBD	*				*	*				
	Robotic Process Automation	2363UH AIRPA	*				*	*				
	Deep Learning Practical	2361UH AIPR	*	*	*	*	*	*				
	Big Data Analytics Practical	2362UH AIPR	*				*	*				
	Robotic Process Automation Practical	2363UH AIPR	*				*	*				
	Project	2365UH AIPR							*	*	*	*
	Internship	2366UH AIIS							*	*	*	*

Table No. UG A9.2: CO Attainment Level: Bachelor of Science- B. Sc. (CS-AIML)
Academic Year - 2023-24

Semester	Course	Course Code	CO Attain	Attainment	Fully Attained/	Remedial Measures

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			ment value	Target Level	Not Attained	
I	Problem Solving using Programming	UML101PS23MA	2	2	Fully Attained	NA
	Computer Fundamentals	UML102CF23MA	3	2	Fully Attained	NA
	Mathematics – I	UML105MA23VS	2	2	Fully Attained	NA
	English – I	UML107EN23A	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Coding and Computational Thinking –I	UML106CC23SC	3	2	Fully Attained	NA
	Environmental Science-I	UML108ES23V	2.5	2	Fully Attained	NA
	Indian Knowledge System	UML109KS23K	2.5	2	Fully Attained	NA
	Cocurricular Activity	UML110CC23C	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Principles of Management	UML103PM23O	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Introduction to Entrepreneurship	UML104IE23O	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
II	Data Structures and Algorithms	UML201DS23MA	2	2	Fully Attained	NA
	Database Management Systems	UML202DB23MA	2.5	2	Fully Attained	NA

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	Foundations of Cloud Technology	UML203FA23MI	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Mathematics – II	UML206MA23VS	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	English – II	UML208EN23A	2	2	Fully Attained	NA
	Coding and Computational Thinking-II	UML207CC23SC	3	2	Fully Attained	NA
	Cocurricular Activity	UML210CC23C	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Environmental Science-II	UML209ES23V	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Digital Marketing	UML204DM23O	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Production and operations Management	UML205OM23O	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
III	Digital Image Processing	2231UHAIDIP	2.8	2	Fully Attained	NA
	Machine Learning	2232UHAIML	2.4	2	Fully Attained	NA
	Numerical Methods and Optimization Techniques	2233UHAIOT	3	2	Fully Attained	NA
	Python Programming	2234UHAIPP	2.4	2	Fully Attained	NA

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	Introduction to Cloud Technology	2236UH AICT	4.6	2	Fully Attained	NA
	Any One from List A (Foundations of Leadership)	2237UH AIFL	4.2	2	Fully Attained	NA
	Digital Image Processing Practical	2231UH AIPR	2	2	Fully Attained	NA
	Machine Learning Practical	2232UH AIPR	2	2	Fully Attained	NA
	Python Programming Practical	2234UH AIPR	2	2	Fully Attained	NA
IV	Artificial Neural Network	2241UH AINN	**2**	2	Fully Attained	NA
	Data Visualization	2242UH AIDV	**2**	2	Fully Attained	NA
	Natural Language Processing	2243UH AINL	**1.4**	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Inferential Statistics	2244UH AIIS	**1.4**	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	PROLOG / OpenAI Programming	2245UH AIPL	**1.4**	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Any One from List A (Project Management Fundamentals)	2247UH AIPM	**2**	2	Fully Attained	NA
	Artificial Neural Network Practical	2241UH AIPR	**3**	2	Fully Attained	NA

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
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(AUTONOMOUS)
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	Data Visualization Practical	2242UH AIPR	2	2	Fully Attained	NA
	Natural Language Processing Practical	2243UH AIPR	**2**	2	Fully Attained	NA
	PROLOG / OpenAI Programming Practical	2245UH AIPR	3	2	Fully Attained	NA
V	Advanced Machine Learning	2351UH AIAML	**3**	2	Fully Attained	NA
	Cloud Web Services	2352UH AIWS	**2**	2	Fully Attained	NA
	Internet of Things	2353UH AIIOT	**2.6**	2	Fully Attained	NA
	Recommender Systems	2355UH AIRS	**2.4**	2	Fully Attained	NA
	Advanced Machine Learning Practical	2351UH AIPR	**2**	2	Fully Attained	NA
	Cloud Web Services Practical	2352UH AIPR	**3**	2	Fully Attained	NA
	Recommender Systems Practical	2355UH AIPR	**3**	2	Fully Attained	NA
VI	Deep Learning	2361UH AIDL	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Big Data Analytics	2362UH AIBD	**1.8**	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Robotic Process Automation	2363UH AIRPA	**2.8**	2	Fully Attained	NA

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(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Deep Learning Practical	2361UH AIPR	**3**	2	Fully Attained	NA
	Big Data Analytics Practical	2362UH AIPR	2	2	Fully Attained	NA
	Robotic Process Automation Practical	2363UH AIPR	**3**	2	Fully Attained	NA
	Project	2365UH AIPR	**0**	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Internship	2366UH AIIS	**0**	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
		AVERAGE	2.12			
NA means not applicable as target is fully attained.						

Table No. UG A8.2a: PO Attainment Level- B. Sc. (CS-AIML)-2023-24

Academic year	**PO attainment level**	**Target Attainment Level**	**Fully Attained/ Not Attained**	**Remedial Measures**
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
A2023-244	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG A8.3: Results of CO-PO attainment-
B. Sc. (CS-AIML)-B. Sc.(CS-AIML)-Academic Year 2023-24

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(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
I	Problem Solving using Programming	UML101PS23MA	2		2	2			2	2		
	Computer Fundamentals	UML102CF23MA	3		3	3			3	3		
	Mathematics – I	UML105MA23VS	2						2	2		
	English – I	UML107EN23A		1.75			1.75		1.75	1.75		
	Coding and Computational Thinking –I	UML106CC23SC	3		3	3			3	3		
	Environmental Science-I	UML108ES23V						2.5				
	Indian Knowledge System	UML109KS23K	2.5	2.5			2.5		2.5	2.5		
	Cocurricular Activity	UML110CC23C		1					1	1		
	Principles of Management	UML103PM23O	1.25	1.25					1.25	1.25		
	Introduction to Entrepreneurship	UML104IE23O	1.5	1.5					1.5	1.5		
II	Data Structures and Algorithms	UML201DS23MA	2		2	2			2	2		
	Database Management Systems	UML202DB23MA	2.5		2.5	2.5			2.5	2.5		
	Foundations of AIML	UML203FA23MI	1		1	1			1	1		
	Mathematics – II	UML206MA23VS	0.75						0.75	0.75		
	English – II	UML208EN23A		2			2		2	2		
	Coding and Computational Thinking-II	UML207CC23SC	3		3	3			3	3		
	Cocurricular Activity	UML210CC23C		1.5					1.5	1.5		
	Environmental Science-II	UML209ES23V						1.5				

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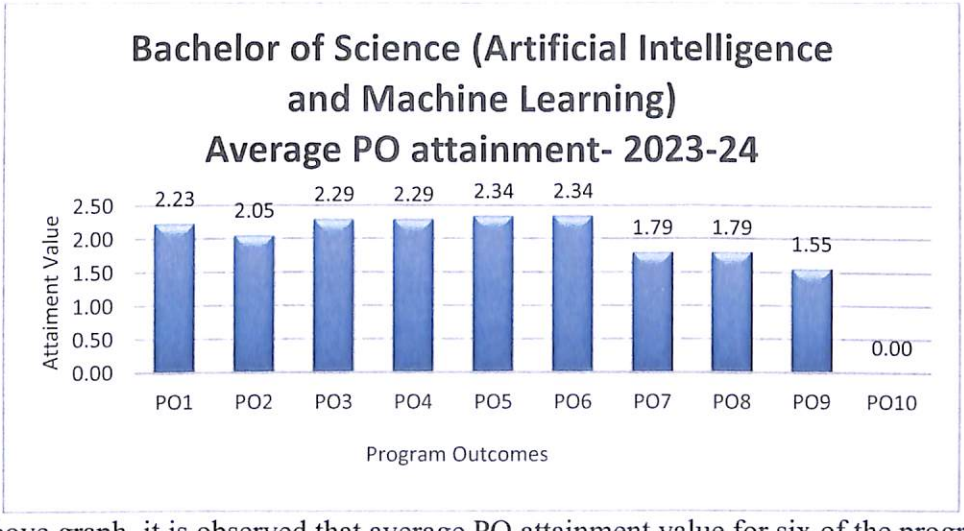
	Digital Marketing	UML204DM23O	1.5	1.5					1.5	1.5		
	Production and operations Management	UML205OM23O	1	1					1	1		
III	Digital Image Processing	2231UHAIDIP	2.8	2.8	2.8	2.8	2.8	2.8				
	Machine Learning	2232UHAIML	2.4	2.4	2.4	2.4	2.4	2.4				
	Numerical Methods and Optimization Techniques	2233UHAIOT	3				3	3				
	Python Programming	2234UHAIPP	2.4	2.4	2.4	2.4	2.4	2.4				
	Introduction to Cloud Technology	2236UHAICT	4.6				4.6	4.6				
	Any One from List A (Foundations of Leadership)	2237UHAIFL							4.2	4.2	4.2	
	Digital Image Processing Practical	2231UHAIPR	2	2	2	2	2	2				
	Machine Learning Practical	2232UHAIPR	2	2	2	2	2	2				
	Python Programming Practical	2234UHAIPR	2	2	2	2	2	2				
IV	Artificial Neural Network	2241UHAINN	2	2	2	2	2	2				
	Data Visualization	2242UHAIDV	2	2	2	2	2	2				
	Natural Language Processing	2243UHAINL	1.4	1.4	1.4	1.4	1.4	1.4				
	Inferential Statistics	2244UHAIIS	1.4				1.4	1.4				

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
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	PROLOG / OpenAI Programming	2245UHAIPL	1.4				1.4	1.4				
	Any One from List A (Project Management Fundamentals)	2247UHAIPM							2	2	2	
	Artificial Neural Network Practical	2241UHAIPR	3	3	3	3	3	3				
	Data Visualization Practical	2242UHAIPR	2	2	2	2	2	2				
	Natural Language Processing Practical	2243UHAIPR	2	2	2	2	2	2				
	PROLOG / OpenAI Programming Practical	2245UHAIPR	3				3	3				
V	Advanced Machine Learning	2351UHAIAML	3	3	3	3	3	3				
	Cloud Web Services	2352UHAIWS	2	2	2	2	2	2				
	Internet of Things	2353UHAIIOT	2.6				2.6	2.6				
	Recommender Systems	2355UHAIRS	2.4	2.4	2.4	2.4	2.4	2.4				
	Advanced Machine Learning Practical	2351UHAIPR	2	2	2	2	2	2				
	Cloud Web Services Practical	2352UHAIPR	3	3	3	3	3	3				
	Recommender Systems Practical	2355UHAIPR	3	3	3	3	3	3				
VI	Deep Learning	2361UHAIDL	1	1	1	1	1	1				
	Big Data Analytics	2362UHAIBD	1.8				1.8	1.8				

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	Robotic Process Automation	2363UHAIRPA	2.8				2.8	2.8				
	Deep Learning Practical	2361UHAIPR	3	3	3	3	3	3				
	Big Data Analytics Practical	2362UHAIPR	2				2	2				
	Robotic Process Automation Practical	2363UHAIPR	3				3	3				
	Project	2365UHAIPR							0	0	0	0
	Internship	2366UHAIIS							0	0	0	0
	Average		2.23	2.05	2.29	2.29	2.34	2.34	1.79	1.79	1.55	0



From above graph, it is observed that average PO attainment value for six of the program outcomes is greater than 2. It means, PO attainment by corresponding courses is at Very good level (value between 2.0 and 2.5).

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ANNEXTURE UG A10
Bachelor of Science (Cloud Technology and Information Security) – B. Sc. (CTIS)

Table No. UG A10.1: PO CO Mapping Matrix:
Bachelor of Science (Cloud Technology and Information Security) - B. Sc. (CTIS):
Academic Year - 2023-24

Semester	Course	Course Code	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10
I	Problem Solving using Programming	UCT101PS23MA	*		*	*			*	*		
	Computer Fundamentals	UCT102CF23MA	*		*	*			*	*		
	Mathematics – I	UCT105MA23VS	*						*	*		
	English – I	UCT107E23A		*			*		*	*		
	Coding and Computational Thinking –I	UCT106CC23SC	*		*	*			*	*		
	Environmental Science-I	UCT108ES23V						*				
	Indian Knowledge System	UCT109KS23K	*	*			*		*	*		
	Cocurricular Activity-Cultural	UCT110CC23C		*					*	*		
	Principles of Management	UCT103PM23O	*	*					*	*		
	Introduction to Entrepreneurship	UCT104IE23O	*	*					*	*		
II	Data Structures and Algorithms	UCT201DS23MA	*		*	*			*	*		
	Database Management Systems	UCT202DB23MA	*		*	*			*	*		
	Foundations of Cloud Technology	UCT203FA23MI	*		*	*			*	*		
	Mathematics – II	UCT206MA23VS	*						*	*		
	English – II	UCT208EN23A		*			*		*	*		
	Coding and Computational Thinking-II	UCT207CC23SC	*		*	*			*	*		
	Cocurricular Activity- Sports	UCT210CC23C		*					*	*		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Environmental Science-II	UCT209ES23V						*				
	Digital Marketing	UCT204DM23O	*	*					*	*		
	Production and operations Management	UCT205OM23O	*	*					*	*		
III	Introduction to Cloud Technology	2231UHCTIC	*	*	*	*	*	*				
	Fundamentals of Storage and Data Centre	2232UHCTSD	*	*	*	*	*	*				
	Introduction to Information Security	2232UHCTIS	*	*	*	*	*	*				
	Python Programming	2234UHCTPP	*	*	*	*	*	*				
	Database Security	2235UHCTDS	*	*	*	*	*	*				
	Any one from List A (Foundations of Leadership)	2237UHCTFL							*	*	*	
	Fundamentals of Storage and Data Centre Practical	2232UHCTPR	*	*	*	*	*	*				
	Python Programming Practical	2234UHCTPR	*	*	*	*	*	*				*
	Database Security Practical	2235UHCTPR	*	*	*	*	*	*				
IV	Principle of Virtualization	2241UHCTPV	*	*	*	*	*	*				
	Linux Administration	2242UHCTLA	*	*	*	*	*	*				
	Ethical Hacking-I	2243UHCTEH	*	*	*	*	*	*				
	Automation and Configuration Management	2244UHCTAC	*	*	*	*	*	*				
	Network Security	2245UHCTNS	*	*	*	*	*	*				
	Any one from List A (Project Management Fundamentals)	2247UHCTPM							*	*	*	

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Principle of Virtualization Practical	2241UHCT PR	*	*	*	*	*	*				
	Linux Administration Practical	2242UHCT PR	*	*	*	*	*	*				
	Ethical Hacking-I Practical	2243UHCT PR	*	*	*	*	*	*				
	Automation and Configuration Management Practical	2244UHCT PR	*	*	*	*	*	*				
	Network Security Practical	2245UHCT PR	*	*	*	*	*	*				
V	Ethical Hacking –II	2351UHCT EH	*	*	*	*	*	*				
	Cloud Web Services	2352UHCT WS	*	*	*	*	*	*				*
	Cryptography Fundamentals	2353UHCT CF	*	*	*	*	*	*				
	Infrastructure Solutions on Cloud	2355UHCTI C	*	*	*	*	*	*				
	Ethical Hacking –II Practical	2351UHCT PR	*	*	*	*	*	*				
	Cloud Web Services Practical	2352UHCT PR	*	*	*	*	*	*				
	Cryptography Fundamentals practical	2353UHCT PR	*	*	*	*	*	*				
	Infrastructure Solutions on Cloud Practical	2355UHCT PR	*	*	*	*	*	*				
VI	Containerization using Dockers	2361UHCT CD	*	*	*	*	*	*				
	Digital Forensic Investigation	2362UHCT DF	*	*	*	*	*	*				
	Defense in Depth	2363UHCT DD	*	*	*	*	*	*				
	Containerization using Dockers Practical	2361UHCT PR	*	*	*	*	*	*				

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Digital Forensic Investigation Practical	2362UHCTPR	*	*	*	*	*	*				
	Defense in Depth Practical	2363UHCTPR	*	*	*	*	*	*				
	Major Project	2365UHCTPR							*	*	*	*
	Internship	2366UHCTIP							*	*	*	*

Table No. UG A10.2: CO Attainment Level: Bachelor of Science- B. Sc. (Cloud Technology and Information Security)
Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Problem Solving using Programming	UCT101PS23MA	3	2	Fully Attained	NA
	Computer Fundamentals	UCT102CF23MA	2.5	2	Fully Attained	NA
	Mathematics – I	UCT105MA23VS	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	English – I	UCT107E23A	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Coding and Computational Thinking –I	UCT106CC23SC	3	2	Fully Attained	NA
	Environmental Science-I	UCT108ES23V	2.25	2	Fully Attained	NA
	Indian Knowledge System	UCT109KS23K	2.5	2	Fully Attained	NA
	Co-Curricular Activity-Cultural	UCT110CC23C	2	2	Fully Attained	NA

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Principles of Management	UCT103PM23O	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Introduction to Entrepreneurship	UCT104IE23O	1.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
II	Data Structures and Algorithms	UCT201DS23MA	2	2	Fully Attained	NA
	Database Management Systems	UCT202DB23MA	2	2	Fully Attained	NA
	Foundations of Cloud Technology	UCT203FA23MI	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Mathematics – II	UCT206MA23VS	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	English – II	UCT208EN23A	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Coding and Computational Thinking-II	UCT207CC23SC	3	2	Fully Attained	NA
	Co-Curricular Activity-Sports	UCT210CC23C	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Environmental Science-II	UCT209ES23V	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

						coaching shall be planned
	Digital Marketing	UCT204DM23O	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Production and operations Management	UCT205OM23O	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
III	Introduction to Cloud Technology	2231UHCTIC	2	2	Fully Attained	NA
	Fundamentals of Storage and Data Centre	2232UHCTSD	3.4	2	Fully Attained	NA
	Introduction to Information Security	2232UHCTIS	1.2	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Python Programming	2234UHCTPP	2.8	2	Fully Attained	NA
	Database Security	2235UHCTDS	2.4	2	Fully Attained	NA
	Any one from List A (Foundations of Leadership)	2237UHCTFL	2.4	2	Fully Attained	NA
	Fundamentals of Storage and Data Centre Practical	2232UHCTPR	3	2	Fully Attained	NA
	Python Programming Practical	2234UHCTPR	3	2	Fully Attained	NA
	Database Security Practical	2235UHCTPR	2	2	Fully Attained	NA

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

IV	Principle of Virtualization	2241UH CTPV	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Linux Administration	2242UH CTLA	2	2	Fully Attained	NA
	Ethical Hacking-I	2243UH CTEH	2.4	2	Fully Attained	NA
	Automation and Configuration Management	2244UH CTAC	2.4	2	Fully Attained	NA
	Network Security	2245UH CTNS	0.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Any one from List A (Project Management Fundamentals)	2247UH CTPM	2.4	2	Fully Attained	NA
	Principle of Virtualization Practical	2241UH CTPR	3	2	Fully Attained	NA
	Linux Administration Practical	2242UH CTPR	2	2	Fully Attained	NA
	Ethical Hacking-I Practical	2243UH CTPR	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Automation and Configuration Management Practical	2244UH CTPR	3	2	Fully Attained	NA
	Network Security Practical	2245UH CTPR	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

V	Ethical Hacking –II	2351UH CTEH	2.2	2	Fully Attained	NA
	Cloud Web Services	2352UH CTWS	2	2	Fully Attained	NA
	Cryptography Fundamentals	2353UH CTCF	3.2	2	Fully Attained	NA
	Infrastructure Solutions on Cloud	2355UH CTIC	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Ethical Hacking –II Practical	2351UH CTPR	3	2	Fully Attained	NA
	Cloud Web Services Practical	2352UH CTPR	3	2	Fully Attained	NA
	Cryptography Fundamentals practical	2353UH CTPR	5	2	Fully Attained	NA
	Infrastructure Solutions on Cloud Practical	2355UH CTPR	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
VI	Containerization using Dockers	2361UH CTCD	2.4	2	Fully Attained	NA
	Digital Forensic Investigation	2362UH CTDF	2.2	2	Fully Attained	NA
	Defence in Depth	2363UH CTDD	3.8	2	Fully Attained	NA
	Containerization using Dockers Practical	2361UH CTPR	3	2	Fully Attained	NA
	Digital Forensic Investigation Practical	2362UH CTPR	5	2	Fully Attained	NA
	Defence in Depth Practical	2363UH CTPR	3	2	Fully Attained	NA

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Major Project	2365UHCTPR	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Internship	2366UHCTIP	0	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
		AVERAGE	2.21			
NA means not applicable as target is fully attained.						

Table No. UG A10.2a: PO Attainment Level- B. Sc. (Cloud Technology and Information Security)-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
A2023-24	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. UG A10.3: Results of CO-PO attainment- B. Sc. (Cloud Technology and Information Security) - B. Sc. (CTIS)- Academic Year 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
I	Problem Solving using Programming	UCT101PS23MA	3		3	3			3	3		
	Computer Fundamentals	UCT102CF23MA	2.5		2.5	2.5			2.5	2.5		

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Mathematics – I	UCT105MA 23VS	1.75						1.75	1.75		
	English – I	UCT107E23 A		1.25			1.25		1.25	1.25		
	Coding and Computational Thinking –I	UCT106CC 23SC	3		3	3			3	3		
	Environmental Science-I	UCT108ES2 3V						2.25				
	Indian Knowledge System	UCT109KS 23K	2.5	2.5			2.5		2.5	2.5		
	Co-Curricular Activity- Cultural	UCT110CC 23C		2					2	2		
	Principles of Management	UCT103PM 23O	1.25	1.25					1.25	1.25		
	Introduction to Entrepreneurship	UCT104IE2 3O	1.75	1.75					1.75	1.75		
II	Data Structures and Algorithms	UCT201DS 23MA	2		2	2			2	2		
	Database Management Systems	UCT202DB 23MA	2		2	2			2	2		
	Foundations of Cloud Technology	UCT203FA 23MI	1.25		1.25	1.25			1.25	1.25		
	Mathematics – II	UCT206MA 23VS	1.5						1.5	1.5		
	English – II	UCT208EN 23A		1.5			1.5		1.5	1.5		
	Coding and Computational Thinking-II	UCT207CC 23SC	3		3	3			3	3		
	Co-Curricular Activity- Sports	UCT210CC 23C		1.5					1.5	1.5		
	Environmental Science-II	UCT209ES2 3V						1.5				
	Digital Marketing	UCT204DM 23O	1.5	1.5					1.5	1.5		
	Production and operations Management	UCT205OM 23O	1.5	1.5					1.5	1.5		
III	Introduction to Cloud Technology	2231UHCTI C	2	2	2	2	2	2				
	Fundamentals of Storage and Data Centre	2232UHCT SD	3.4	3.4	3.4	3.4	3.4	3.4				

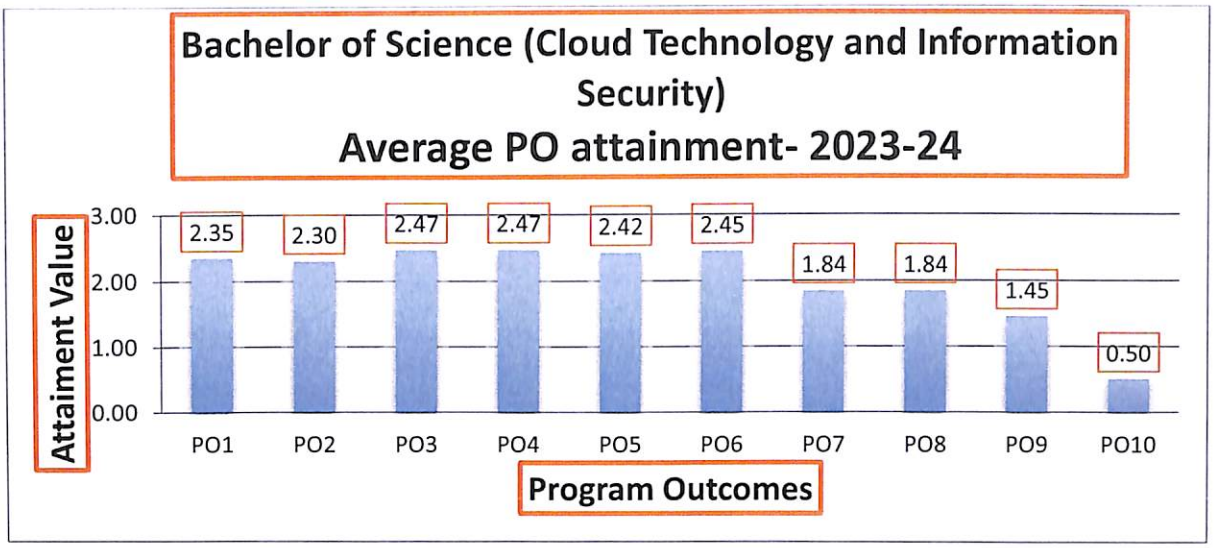
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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Introduction to Information Security	2232UHCTIS	1.2	1.2	1.2	1.2	1.2	1.2				
	Python Programming	2234UHCTPP	2.8	2.8	2.8	2.8	2.8	2.8				
	Database Security	2235UHCTDS	2.4	2.4	2.4	2.4	2.4	2.4				
	Any one from List A (Foundations of Leadership)	2237UHCTFL							2.4	2.4	2.4	
	Fundamentals of Storage and Data Centre Practical	2232UHCTPR	3	3	3	3	3	3				
	Python Programming Practical	2234UHCTPR	3	3	3	3	3	3				
	Database Security Practical	2235UHCTPR	2	2	2	2	2	2				
IV	Principle of Virtualization	2241UHCTPV	1.8	1.8	1.8	1.8	1.8	1.8				
	Linux Administration	2242UHCTLA	2	2	2	2	2	2				
	Ethical Hacking-I	2243UHCTEH	2.4	2.4	2.4	2.4	2.4	2.4				
	Automation and Configuration Management	2244UHCTAC	2.4	2.4	2.4	2.4	2.4	2.4				
	Network Security	2245UHCTNS	0.8	0.8	0.8	0.8	0.8	0.8				
	Any one from List A (Project Management Fundamentals)	2247UHCTPM							2.4	2.4	2.4	
	Principle of Virtualization Practical	2241UHCTPR	3	3	3	3	3	3				
	Linux Administration Practical	2242UHCTPR	2	2	2	2	2	2				
	Ethical Hacking-I Practical	2243UHCTPR	1	1	1	1	1	1				
	Automation and Configuration Management Practical	2244UHCTPR	3	3	3	3	3	3				

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

	Network Security Practical	2245UHCTPR	1	1	1	1	1	1				
V	Ethical Hacking –II	2351UHCTEH	2.2	2.2	2.2	2.2	2.2	2.2				
	Cloud Web Services	2352UHCTWS	2	2	2	2	2	2				
	Cryptography Fundamentals	2353UHCTCF	3.2	3.2	3.2	3.2	3.2	3.2				
	Infrastructure Solutions on Cloud	2355UHCTIC	1.4	1.4	1.4	1.4	1.4	1.4				
	Ethical Hacking –II Practical	2351UHCTPR	3	3	3	3	3	3				
	Cloud Web Services Practical	2352UHCTPR	3	3	3	3	3	3				
	Cryptography Fundamentals practical	2353UHCTPR	5	5	5	5	5	5				
	Infrastructure Solutions on Cloud Practical	2355UHCTPR	1	1	1	1	1	1				
VI	Containerization using Dockers	2361UHCTCD	2.4	2.4	2.4	2.4	2.4	2.4				
	Digital Forensic Investigation	2362UHCTDF	2.2	2.2	2.2	2.2	2.2	2.2				
	Defense in Depth	2363UHCTDD	3.8	3.8	3.8	3.8	3.8	3.8				
	Containerization using Dockers Practical	2361UHCTPR	3	3	3	3	3	3				
	Digital Forensic Investigation Practical	2362UHCTPR	5	5	5	5	5	5				
	Defense in Depth Practical	2363UHCTPR	3	3	3	3	3	3				
	Major Project	2365UHCTPR							1	1	1	1
	Internship	2366UHCTIP							0	0	0	0
	Average		2.35	2.30	2.47	2.47	242	2.45	1.84	1.84	1.45	0.50

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.



From above graph, it is observed that average PO attainment value for six of the program outcomes is greater than 2. It means, PO attainment by corresponding courses is at Very good level (value between 2.0 and 2.5).

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
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CRITERION 2 – TEACHING – LEARNING AND EVALUATION

2.6 Student Performance and Learning Outcomes

2.6.2- Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Attainment of Programme Outcomes and Course Outcomes

PG PROGRAMMES
[2023-2024]

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NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
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(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

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OBE DESIGN

ATTAINMENT LEVELS

ALL POST GRADUATE COURSES-2023-24

1. Course- Program outcome Matrix:

The Program Outcomes are developed through the curriculum (curricular/co-curricular, extra-curricular activities). The course-program outcomes matrix indicates the co-relation between the courses and program outcomes. The CO-PO Matrix is provided in the table for each PG program. (see Appendix)

2. Course Outcomes (for all courses):

The course outcomes are the statement that describes the knowledge & abilities developed in the student by the end of course (subject) teaching. These are to be written in the specific terms and not in general for all PG programs.

3. Set Target levels for Attainment of Course Outcomes:

The course outcome attainment is assessed in order to track the post-graduates' performance w.r.t target level of performance. In order to calculate the program outcome attainment, the course outcome attainment is calculated. Prior to that, the course-program outcome mapping is done for all PG programs.

4. Set Target level for Attainment of Program Outcomes:

The program outcome (PO) attainment is assessed in order to track the post-graduates' performance w.r.t target level of performance. The program outcome attainment is governed by curricular, co-curricular and extra-curricular activities including the stakeholders' participation.

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

The direct method and indirect method are adopted to calculate the PO attainment. The direct method implies the attainment by course outcomes contributing to respective program outcomes and indirect method is the satisfaction/feed-back survey of stakeholders. The set target level is the set benchmark to ensure the continuous improvements in the learners/ graduates' performance.

5. Course Outcome Attainment Levels:

a. CO attainment is defined/set at five levels;

b. The CO attainment is based on end term examination assessment (SEC) and continues internal assessment (CIA);

c. The CO attainment is defined at five levels in ascending order

The following are the defined CO attainment level for **Master of Commerce (Accountancy)- MCOM (Accountancy)**

e.g. For end term and internal examination;

i. **Level-1**: 40% to 49.99% students scored more than class average

ii. **Level-2**: 50% to 59.99% students score more than class average;

iii. **Level-3:** 60% to 69.99% students score more than class average;

iv. **Level-4**: 70% to 79.99% students score more than class average;

v. **Level 5**: 80% to 89.99% students score more than class average.

d. **The target level is set (e.g. Level-2).** It indicates that, 50% to 59.99% students score more than class average. If class average is less than passing percentage then we consider passing percentage instead of class average. The CO attainment is measured and the results are obtained. Based on the results of attainment, the corrective measures/remedial action are taken.

e. CO Attainment= 60% (Attainment level in end term examination) + 40% (Attainment level in internal examination). One example on calculation of CO attainment for **Master of Commerce (Accountancy)- MCOM (Accountancy)** is provided in below.

6. Program attainment Level:

a. PO attainment is defined at five levels in ascending order;

b. The PO attainment is based on the average attainment level of corresponding courses (Direct Method) and feed-back survey (Indirect method);

c. The PO attainment levels are defined / set as stated below

i. Level-1: Greater than 0.5 and less than 1.0 (0.5>1)- Poor

PRINCIPAL
NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

ii. Level-2: 1.0>1.5-Average

iii. Level-3: 1.5>2.0-Good

iv. Level-4: 2.0>2.5-Very Good

v. Level-5: 2.5>3.0 –Excellent

d. The PO attainment target level is set/defined (say, Level-4). It implies that, the department is aiming at minimum level-4 (very good) in the performance of abilities by the graduates. Based upon the results of attainment, the remedial measures are taken;

e. PO Attainment= 80% (Average attainment level by direct method) + 20% (Average attainment level by indirect method)..One example on calculation of PO attainment for **Master of Commerce (Accountancy)- MCOM (Accountancy)** is provided below.

ANNEXTURE PG 1

Master of Commerce (Accountancy)-MCOM (Accountancy)

Table No. PG 1.1: PO CO Mapping Matrix:

Academic Year-2023-24

			PROGRAMME OUTCOMES (ACCOUNTANCY)				
SEM	**Course Names**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**
Sem 1	Strategic Management	PCA 101 SM 23 MA	*		*	*	*
	Economics for Business Decision	PCA 102 EB 23 MA	*			*	
	Business Ethics and Corporate Social Responsibility	PCA 103 BE 23 MA	*			*	
	Soft Skills for Professionals	PCA 104 SS 23 MA		*	*		*
	Cost and Management Accounting	PCA 105 CM 23 ME	*		*	*	
	Financial Services	PCA 106 FS 23 ME	*	*			*
	Research Methodology for Business	PCA 107 RM 23 MI	*	*	*		*
Sem 2	Macro Economics : Concepts and Applications	PCA 201 ME 23 MA	*			*	
	E-Commerce	PCA 202 ECO 23 MA	*	*			*
	Entrepreneurship	PCA 203 ENT 23 MA	*	*			*
	Basics for Financial Markets	PCA 204 BFM 23 MA	*	*	*	*	*
	Corporate Finance	PCA 205 CF 23 ME	*	*	*	*	*
	Auditing	PCA 206 CI 23 ME					

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	Internship	PCA 207 INT 23 JT	*	*		*	*
Sem 3	Advanced Financial Accounting	2331PCMFA	*	*		*	
	Direct Tax	2332PCMDT	*	*			*
	Advanced Cost Accounting	2333PCMCA	*			*	
	Internship Based Project Work	2334PCMIP	*	*		*	*
Sem 4	Corporate Financial Accounting	2341PCMCF	*				
	Indirect Tax- Introduction of Goods and Service Tax	2342PCMGT	*	*			*
	International Financial Reporting Standards	2343PCMFR	*	*			
	Research Based Project Work – II	2344PCMRP	*	*	*	*	*

The Results of CO Attainment:

The Results of CO attainment is provided below in table 1.1

FOR EXAMPLE: COURSE CODE/TITLE: SEM I/ PCA 103 BE 23 MA / Business Ethics and Corporate Social Responsibility

e.g. For end term and internal examination;

i. **Level-1**: 40% to 49.99% students scored more than class average

ii. **Level-2**: 50% to 59.99% students score more than class average;

iii. **Level-3:** 60% to 69.99% students score more than class average;

iv. **Level-4**: 70% to 79.99% students score more than class average;

v. **Level 5**: 80% to 89.99% students score more than class average.

Average Marks in External examination: 24

% Students score more than 24 is 19/27 i.e. 70.37% i.e. Level-4

Average Marks in Internal examination= 41

% Students score more than 41 is 22/27= 81.48%, i.e. Level-5

A (CO) PCA 103 BE 23 MA **= 50% (4) + 50%(5) = 2 + 2.5 = 4.5**

Hence, the attainment value is 4.5 and the set target value is 2 and therefore the CO is fully attained. Following table provides details of Course Outcome (CO) attainment levels.

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Table No. PG 1.2: CO Attainment Level: Master of Commerce(Accountancy)-MCOM (Accountancy)-Academic Year-2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Strategic Management	PCA 101 SM 23 MA	3	2	Fully Attained	NA
	Economics for Business Decision	PCA 102 EB 23 MA	4	2	Fully Attained	NA
	Business Ethics and Corporate Social Responsibility	PCA 103 BE 23 MA	4.5	2	Fully Attained	NA
	Soft Skills for Professionals	PCA 104 SS 23 MA	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Cost and Management Accounting	PCA 105 CM 23 ME	2	2	Fully Attained	NA
	Financial Services	PCA 106 FS 23 ME	NA	2	Fully Attained	NA
	Research Methodology for Business	PCA 107 RM 23 MI	2.5	2	Fully Attained	NA
II	Macro Economics : Concepts and Applications	PCA 201 ME 23 MA	4	2	Fully Attained	NA
	E-Commerce	PCA 202 ECO 23 MA	2.5	2	Fully Attained	NA
	Entrepreneurship	PCA 203 ENT 23 MA	2.5	2	Fully Attained	NA
	Basics for Financial Markets	PCA 204 BFM 23 MA	2	2	Fully Attained	NA
	Corporate Finance	PCA 205 CF 23 ME	3	2	Fully Attained	NA
	Auditing	PCA 206 CI 23 ME	NA	2	Fully Attained	NA
	Internship	PCA 207 INT 23 JT	4	2	Fully Attained	NA
III	Advanced Financial Accounting	2331PCMFA	1.6	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.

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	Direct Tax	2332PCMDT	2.2	2	Fully Attained	NA
	Advanced Cost Accounting	2333PCMCA	2.2	2	Fully Attained	NA
	Internship Based Project Work	2334PCMIP	2.4	2	Fully Attained	NA
IV	Corporate Financial Accounting	2341PCMCF	1.6	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Indirect Tax-Introduction of Goods and Service Tax	2342PCMGT	1.4	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	International Financial Reporting Standards	2343PCMFR	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Research Based Project Work – II	2344PCMRP	5	2	Fully Attained	NA
		Average	**2.71**			

NA: Not Applicable as target level is fully attained/ Semester II examination is not conducted so far as course begins very late due to pandemic.

Table No. PG 1.2a: PO Attainment Level-MCOM (Accountancy)-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2021-22	5	4	Fully Attained	NA
A 2022-23	5	4	Fully Attained	NA
A 2023-24	5	4	Fully Attained	NA

NA: Not Applicable as target level is fully attained.

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than target level-4. Hence at present no plans are required.

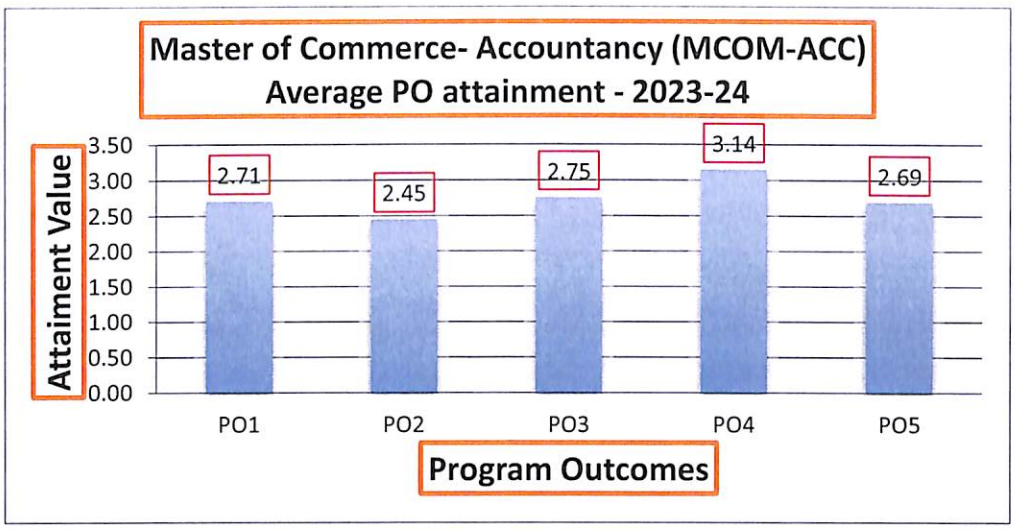
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Table No. PG 1.3: Results of CO-PO attainment-

Master of Commerce (Accountancy)-MCOM (Accountancy)- Academic Year 2023-24

			PROGRAMME OUTCOMES (ACCOUNTANCY)				
SEM	**Course Names**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**
Sem 1	Strategic Management	PCA 101 SM 23 MA	3		3	3	3
	Economics for Business Decision	PCA 102 EB 23 MA	4			4	
	Business Ethics and Corporate Social Responsibility	PCA 103 BE 23 MA	4.5			4.5	
	Soft Skills for Professionals	PCA 104 SS 23 MA		1.75	1.75		1.75
	Cost and Management Accounting	PCA 105 CM 23 ME	2		2	2	
	Financial Services	PCA 106 FS 23 ME	NA	NA			NA
	Research Methodology for Business	PCA 107 RM 23 MI	2.5	2.5	2.5		2.5
Sem 2	Macro Economics : Concepts and Applications	PCA 201 ME 23 MA	4			4	
	E-Commerce	PCA 202 ECO 23 MA	2.5	2.5			2.5
	Entrepreneurship	PCA 203 ENT 23 MA	2.5	2.5			2.5
	Basics for Financial Markets	PCA 204 BFM 23 MA	2	2	2	2	2
	Corporate Finance	PCA 205 CF 23 ME	3	3	3	3	3
	Auditing	PCA 206 CI 23 ME	NA				
	Internship	PCA 207 INT 23 JT	4	4		4	4
Sem 3	Advanced Financial Accounting	2331PCMFA	1.6	1.6		1.6	
	Direct Tax	2332PCMDT	2.2	2.2			2.2
	Advanced Cost Accounting	2333PCMCA	2.2			2.2	
	Internship Based Project Work	2334PCMIP	2.4	2.4		2.4	2.4
Sem 4	Corporate Financial Accounting	2341PCMCF	1.6				
	Indirect Tax- Introduction of Goods and Service Tax	2342PCMGT	1.4	1.4			1.4
	International Financial Reporting Standards	2343PCMFR	1	1			
	Research Based Project Work – II	2344PCMRP	5	5	5	5	5
		AVERAGE	2.71	2.45	2.75	3.14	2.69

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From above graph, it is observed that average PO attainment value for all program and all but one program specific outcomes is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (greater than2.5).

PO Attainment= 80% (Average attainment level by direct method) + 20% (Average attainment level by indirect method).

PO Attainment= 80% (2.5) + 20% (4) = 2 + 0.8 = **2.8- Level 4- Excellent**

Target Level was 5. Hence PO attended.

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ANNEXTURE PG 2

Master of Commerce (Management)-MCOM (Management)

Table No. PG 2.1: PO CO Mapping Matrix:

Master of Commerce (Management) - MCOM (Management)

Academic Year-2023-24

			PROGRAMME OUTCOMES (Management)				
SEM	**Course Names**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**
Sem 1	Strategic Management	PCM 101 SM 23 MA	*		*	*	*
	Economics for Business Decision	PCM 102 EB 23 MA	*			*	
	Business Ethics and Corporate Social Responsibility	PCM 103 BE 23 MA	*			*	
	Soft Skills for Professionals	PCM 104 SS 23 MA		*	*		*
	Services Marketing	PCM 105 SM 23 ME	*		*	*	
	Marketing Strategies and Practices	PCM 106 MSP 23 ME	*	*			*
	Research Methodology for Business	PCM 107 RM 23 MI	*	*	*		*
Sem 2	Macro Economics : Concepts and Applications	PCM 201 ME 23 MA	*			*	
	E-Commerce	PCM 202 ECO 23 MA	*	*			*
	Entrepreneurship	PCM 203 ENT 23 MA	*	*			*
	Basics for Financial Markets	PCM 204 BFM 23 MA	*	*	*	*	*
	Retail Management	PCM 205 RM 23 ME	*	*	*	*	*
	Advertising and Sales Management	PCM 206 ASM 23 ME					
	Internship	PCM 207 INT 23 JT	*	*		*	*
Sem 3	Rural Marketing	2331PCMRM	*	*		*	
	Entrepreneurship	2332PCMEP	*	*			*
	Organisational Behaviour	2333PCMOB	*			*	
	Internship Based Project Work	2334PCMIP	*	*		*	*
Sem 4	Supply Chain Management & Logistics	2341PCMML	*				
	Brand Management	2342PCMBM	*	*			*
	Management of Business Relations	2343PCMBR	*	*			
	Research Based Project Work – II	2344PCMRP	*	*	*	*	*

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Table No. Pg 2.2: CO Attainment Level: Master of Commerce(Management)-MCOM (Management)-Academic Year-2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Strategic Management	PCM 101 SM 23 MA	3.5	2	Fully Attained	NA
	Economics for Business Decision	PCM 102 EB 23 MA	2	2	Fully Attained	NA
	Business Ethics and Corporate Social Responsibility	PCM 103 BE 23 MA	3.5	2	Fully Attained	NA
	Soft Skills for Professionals	PCM 104 SS 23 MA	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Services Marketing	PCM 105 SM 23 ME	2.5	2	Fully Attained	NA
	Marketing Strategies and Practices	PCM 106 MSP 23 ME	NA	2		
	Research Methodology for Business	PCM 107 RM 23 MI	2.5	2	Fully Attained	NA
	Macro Economics : Concepts and Applications	PCM 201 ME 23 MA	3	2	Fully Attained	NA
II	E-Commerce	PCM 202 ECO 23 MA	3	2	Fully Attained	NA
	Entrepreneurship	PCM 203 ENT 23 MA	2.5	2	Fully Attained	NA
	Basics for Financial Markets	PCM 204 BFM 23 MA	2.25	2	Fully Attained	NA
	Retail Management	PCM 205 RM 23 ME	3	2	Fully Attained	NA
	Advertising and Sales Management	PCM 206 ASM 23 ME				

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	Internship	PCM 207 INT 23 JT	3	2	Fully Attained	NA
	Rural Marketing	2331PCMRM	4	2	Fully Attained	NA
III	Entrepreneurship	2332PCMEP	3.8	2	Fully Attained	NA
	Organisational Behaviour	2333PCMOB	3.8	2	Fully Attained	NA
	Internship Based Project Work	2334PCMIP	4.4	2	Fully Attained	NA
	Supply Chain Management & Logistics	2341PCMML	3.2	2	Fully Attained	NA
IV	Brand Management	2342PCMBM	3.4	2	Fully Attained	NA
	Management of Business Relations	2343PCMBR	3.2	2	Fully Attained	NA
	Research Based Project Work – II	2344PCMRP	5	2	Fully Attained	NA
	Strategic Management	PCM 101 SM 23 MA	3.5	2	Fully Attained	NA
		Average	**3.25**			
NA: Not Applicable as target level is fully attained/ Semester II examination is not conducted so far as course begins very late due to pandemic.						

Table No. Pg 2.2a: PO Attainment Level-(Management)-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	5	4	Fully Attained	NA
A2022-23	5	4	Fully Attained	NA
A2023-24	5	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:

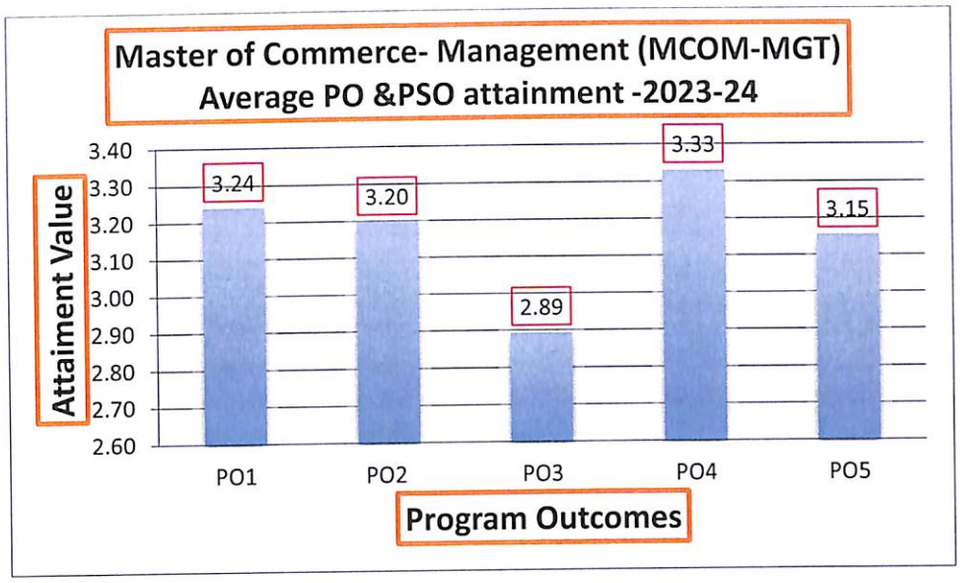
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

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Table No. Pg 2.3: Results of CO-PO attainment-
Master of Commerce(Management)- MCOM (Management) Academic Year 2023-24

			PROGRAMME OUTCOMES (Management)				
SEM	**Course Names**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**
Sem 1	Strategic Management	PCM 101 SM 23 MA	3.5		3.5	3.5	3.5
	Economics for Business Decision	PCM 102 EB 23 MA	2			2	
	Business Ethics and Corporate Social Responsibility	PCM 103 BE 23 MA	3.5			3.5	
	Soft Skills for Professionals	PCM 104 SS 23 MA		1.5	1.5		1.5
	Services Marketing	PCM 105 SM 23 ME	2.5		2.5	2.5	
	Marketing Strategies and Practices	PCM 106 MSP 23 ME	NA	NA			NA
	Research Methodology for Business	PCM 107 RM 23 MI	2.5	2.5	2.5		2.5
Sem 2	Macro Economics : Concepts and Applications	PCM 201 ME 23 MA	3			3	
	E-Commerce	PCM 202 ECO 23 MA	3	3			3
	Entrepreneurship	PCM 203 ENT 23 MA	2.5	2.5			2.5
	Basics for Financial Markets	PCM 204 BFM 23 MA	2.25	2.25	2.25	2.25	2.25
	Retail Management	PCM 205 RM 23 ME	3	3	3	3	3
	Advertising and Sales Management	PCM 206 ASM 23 ME					
	Internship	PCM 207 INT 23 JT	3	3		3	3
Sem 3	Rural Marketing	2331PCMRM	4	4		4	
	Entrepreneurship	2332PCMEP	3.8	3.8			3.8
	Organisational Behaviour	2333PCMOB	3.8			3.8	
	Internship Based Project Work	2334PCMIP	4.4	4.4		4.4	4.4
Sem 4	Supply Chain Management & Logistics	2341PCMML	3.2				
	Brand Management	2342PCMBM	3.4	3.4			3.4
	Management of Business Relations	2343PCMBR	3.2	3.2			
	Research Based Project Work – II	2344PCMRP	5	5	5	5	5
			3.24	3.20	2.89	3.33	3.15

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From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (value greater than 2.5).

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ANNEXTURE PG 3
Master of Arts (Economics)- MA(ECO)

Table No. PG 3.1: PO CO Mapping Matrix:
Master of Arts(Economics)- MA(ECO)- Academic Year-2023-24

			PROGRAMME OUTCOME					
SEM		**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**
Sem 1	MICRO ECONOMICS -I	PME101MI23MA	*	*		*		
	MACRO ECONOMICS -I	PME102MA23MA	*		*	*		*
	ECONOMICS OF DEVELOPMENT	PME103ED23MA		*		*	*	*
	INDIAN ECONOMY-I	PME104IE23MA	*		*	*		
	STATISTICAL METHODS IN ECONOMICS	PME105SM23ME		*	*	*		
	RESEARCH METHODOLOGY	PME107RM23MI	*	*	*			
Sem 2	MICRO ECONOMICS -II	PME201MI23MA	*	*		*		*
	MACRO ECONOMICS -II	PME202MA23MA	*		*			*
	PUBLIC ECONOMICS	PME203PE23MA	*	*		*		
	INDIAN ECONOMY-II	PME204IE23MA	*		*	*		
	MATHEMATICAL TECHNIQUES FOR ECONOMISTS	PME205MT23ME		*	*	*		*
	INTERNSHIP	PME207IN23JT		*			*	
Sem 3	Economics of Agricultural Production and Rural Markets	1731PMEAP		*	*		*	*
	International Trade: Theory and Policy	1732PMEIT	*		*	*		
	Industrial Economics	1733PMEIE	*		*		*	*
	Banking: Theory and Policy	1734PMEBA	*	*	*			*
	Econometrics-I	2235PMEEC	*	*	*			*
Sem 4	Agricultural Development and Policy	1741PMEAD		*	*		*	*
	International Finance	1742PMEIF	*		*	*		*
	Economics of Human Development	1743PMEHD		*		*	*	*
	Research Project	1745PMERP	*	*			*	*
	Econometrics-II	2244PMEEC	*	*	*			*

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Table No. PG 3.2: CO Attainment Level: Master of Arts(Economics)- MA(ECO)-

Academic Year-2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	MICRO ECONOMICS -I	PME101MI23MA	3.5	2	Fully Attained	NA
	MACRO ECONOMICS -I	PME102MA23MA	3	2	Fully Attained	NA
	ECONOMICS OF DEVELOPMENT	PME103ED23MA	4	2	Fully Attained	NA
	INDIAN ECONOMY-I	PME104IE23MA	2	2	Fully Attained	NA
	STATISTICAL METHODS IN ECONOMICS	PME105SM23ME	3.5	2	Fully Attained	NA
	RESEARCH METHODOLOGY	PME107RM23MI	3	2	Fully Attained	NA
II	MICRO ECONOMICS -II	PME201MI23MA	3.5	2	Fully Attained	NA
	MACRO ECONOMICS -II	PME202MA23MA	4	2	Fully Attained	NA
	PUBLIC ECONOMICS	PME203PE23MA	3.5	2	Fully Attained	NA
	INDIAN ECONOMY-II	PME204IE23MA	2.25	2	Fully Attained	NA
	MATHEMATICAL TECHNIQUES FOR ECONOMISTS	PME205MT23ME	3	2	Fully Attained	NA
	INTERNSHIP	PME207IN23JT	4.5	2	Fully Attained	NA
III	Economics of Agricultural Production and Rural Markets	1731PMEAP	2.4	2	Fully Attained	NA
	International Trade: Theory and Policy	1732PMEIT	3.8	2	Fully Attained	NA
	Industrial Economics	1733PMEIE	2.8	2	Fully Attained	NA
	Banking: Theory and Policy	1734PMEBA	2.8	2	Fully Attained	NA
	Econometrics-I	2235PMEEC	3.4	2	Fully Attained	NA
IV	Agricultural Development and Policy	1741PMEAD	2.4	2	Fully Attained	NA
	International Finance	1742PMEIF	3.4	2	2	Fully Attained
	Economics of Human Development	1743PMEHD	2.8	2	2	Fully Attained
	Research Project	1745PMERP	5	2	2	Fully Attained
	Econometrics-II	2244PMEEC	2.4	2	Fully Attained	NA
		Average	***3.225***			

NA: Not Applicable as target level is fully attained.

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Table No. Pg 3.2a: PO Attainment Level-MA (Economics)- 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2023-24	5	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

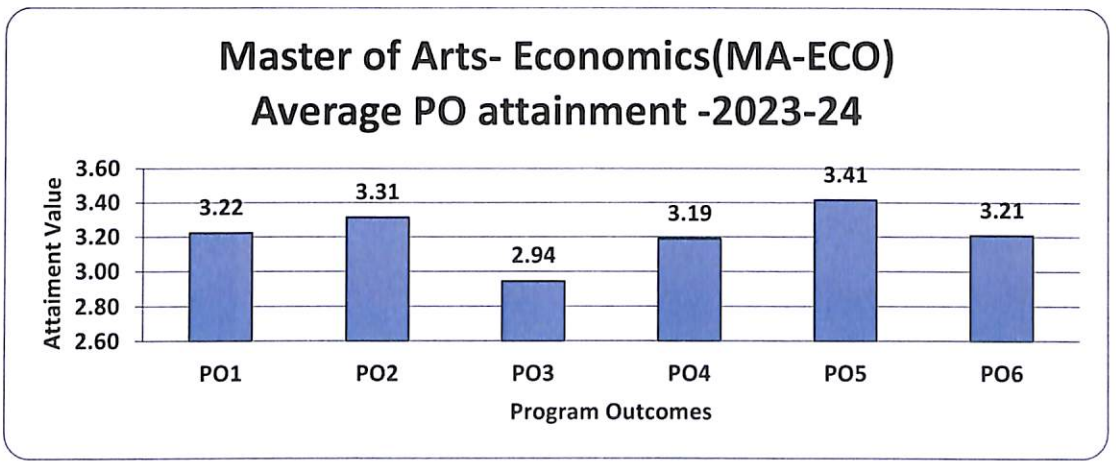
Program Outcome Attainment levels **are** greater than or equal to target level-4. Hence at present no plans are required.

Table No. PG 3.3: Results of CO-PO attainment -
Master of Arts (Economics)-MA(ECO)-Academic Year 2023-24

				PROGRAMME OUTCOME				
SEM		Course Code	PO1	PO2	PO3	PO4	PO5	PO6
Sem 1	MICRO ECONOMICS -I	PME101MI23MA	3.5	3.5		3.5		
	MACRO ECONOMICS -I	PME102MA23MA	3		3	3		3
	ECONOMICS OF DEVELOPMENT	PME103ED23MA		4		4	4	4
	INDIAN ECONOMY-I	PME104IE23MA	2		2	2		
	STATISTICAL METHODS IN ECONOMICS	PME105SM23ME		3.5	3.5	3.5		
	RESEARCH METHODOLOGY	PME107RM23MI	3	3	3			
Sem 2	MICRO ECONOMICS -II	PME201MI23MA	3.5	3.5		3.5		3.5
	MACRO ECONOMICS -II	PME202MA23MA	4		4			4
	PUBLIC ECONOMICS	PME203PE23MA	3.5	3.5		3.5		
	INDIAN ECONOMY-II	PME204IE23MA	2.25		2.25	2.25		
	MATHEMATICAL TECHNIQUES FOR ECONOMISTS	PME205MT23ME		3	3	3		3
	INTERNSHIP	PME207IN23JT		4.5			4.5	
Sem 3	Economics of Agricultural Production and Rural Markets	1731PMEAP		2.4	2.4		2.4	2.4
	International Trade: Theory and Policy	1732PMEIT	3.8		3.8	3.8		

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	Industrial Economics	1733PMEIE	2.8		2.8		2.8	2.8
	Banking: Theory and Policy	1734PMEBA	2.8	2.8	2.8			2.8
	Econometrics-I	2235PMEEC	3.4	3.4	3.4			3.4
Sem 4	Agricultural Development and Policy	1741PMEAD		2.4	2.4		2.4	2.4
	International Finance	1742PMEIF	3.4		3.4	3.4		3.4
	Economics of Human Development	1743PMEHD		2.8		2.8	2.8	2.8
	Research Project	1745PMERP	5	5			5	5
	Econometrics-II	2244PMEEC	2.4	2.4	2.4			2.4



From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (value greater than 2.5).

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ANNEXTURE PG 4

Master of Arts(Child Psychology)- MA(Child Psychology)

Table PG 4.1: PO& CO Mapping Table Master of Arts. (Child Psychology - New)
Academic Year 2023-24

			PROGRAMME OUTCOMES					PROGRAMME SPECIFIC OUTCOMES				
SEM		Course Code	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Sem 1	Child Psychopathology - I	PMCP 101 CP 23 MA	*	*				*	*	*	*	*
	Counseling Process and Micro Skills	PMCP 102 CM 23 MA	*	*	*	*			*	*	*	*
	Practical in Psychology - Experiments	PMCP 103 PE 23 MA			*		*	*			*	
	Statistics in Psychology	PMCP 104 SS 23 MA			*		*	*				*
	Educational Psychology	PMCP 105 EP 23 ME	*		*		*			*	*	*
	Research Methods in Psychology	PMCP 107 RM 23 MI			*	*	*	*	*	*	*	*
Sem 2	Child Psychopathology –II	PMCP 201 CP 23 MA	*	*				*	*	*	*	*
	Assessment Techniques for Children and Adolescents	PMCP 202 AT 23 MA	*	*	*		*	*	*	*	*	*
	Practical in Psychology - Experiments	PMCP 203 PE 23 MA			*		*	*				*
	Statistics in Psychology	PMCP 204 SS 23 MA			*		*				*	
	Positive Psychology	PMCP 205 PP 23 ME		*	*					*	*	
	Internship	PMCP 207 IN 23 JT	*	*	*	*	*	*	*	*	*	*
Sem 3	Core 5: Practicum in Child Psychology	2331CPS YPC	*	*	*	*	*	*	*	*	*	*

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	Core 6: Research Project in Child Psychology I	2332CPS YRP	*	*	*	*	*	*	*	*	*	*
	DSC 5: Workshop and Training in Interventions / Counseling skills	2333PSY WT	*	*	*	*	*	*	*	*	*	*
Sem 4	Core 7: Research Project in Child Psychology II	2341CPS YRP	*	*	*	*	*	*	*	*	*	*
	Core 8: Creative Therapies for Children and Adolescents	2342CPS YCT	*	*	*	*	*	*	*	*	*	*
	DSC 6: Disabilities, Special needs, and Inclusion	2343CPS YDS	*	*	*	*	*	*	*	*	*	*
	DSC 5: Workshop and Training in Interventions / Counseling skills	2344PSY WT	*	*	*	*	*	*	*	*	*	*

Table No. PG 4.2: CO Attainment Level - Master of Arts. (Child Psychology - New)
Academic Year 2023-24

SEM	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Child Psychopathology - I	PMCP 101 CP 23 MA	4	2	Fully Attained	NA
	Counseling Process and Micro Skills	PMCP 102 CM 23 MA	2.5	2	Fully Attained	NA
	Practical in Psychology - Experiments	PMCP 103 PE 23 MA	3	2	Fully Attained	NA
	Statistics in Psychology	PMCP 104 SS 23 MA	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

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	Educational Psychology	PMCP 105 EP 23 ME	2.5	2	Fully Attained	NA
	Research Methods in Psychology	PMCP 107 RM 23 MI	2.5	2	Fully Attained	NA
II	Child Psychopathology –II	PMCP 201 CP 23 MA	3	2	Fully Attained	NA
	Assessment Techniques for Children and Adolescents	PMCP 202 AT 23 MA	4	2	Fully Attained	NA
	Practical in Psychology - Experiments	PMCP 203 PE 23 MA	3	2	Fully Attained	NA
	Statistics in Psychology	PMCP 204 SS 23 MA	2.25	2	Fully Attained	NA
	Positive Psychology	PMCP 205 PP 23 ME	3	2	Fully Attained	NA
	Internship	PMCP 207 IN 23 JT	5	2	Fully Attained	NA
III	Core 5: Practicum in Child Psychology	2331CPSYPC	5	2	Fully Attained	NA
	Core 6: Research Project in Child Psychology I	2332CPSYRP	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	DSC 5: Workshop and Training in Interventions / Counseling skills	2333PSYWT	4	2	Fully Attained	NA
IV	Core 7: Research Project in Child Psychology II	2341CPSYRP	4	2	Fully Attained	NA
	Core 8: Creative Therapies for	2342CPSYCT	1.4	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

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	Children and Adolescents					
	DSC 6: Disabilities, Special needs, and Inclusion	2343CPSYDS	0.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	DSC 5: Workshop and Training in Interventions / Counseling skills	2344PSYWT	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
		AVEARGE	***2.85***			

Table No. PG 4.2a: PO Attainment Level-MA(Child Psychology)- Year-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2021-22	5	4	Fully Attained	NA
A 2022-23	5	4	Fully Attained	NA
A 2023-24	5	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. PG 4.3: Results of CO-PO attainment

Master of Arts. (Child Psychology)

			PROGRAMME OUTCOMES					PROGRAMME SPECIFIC OUTCOMES				
SEM		Course Code	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5

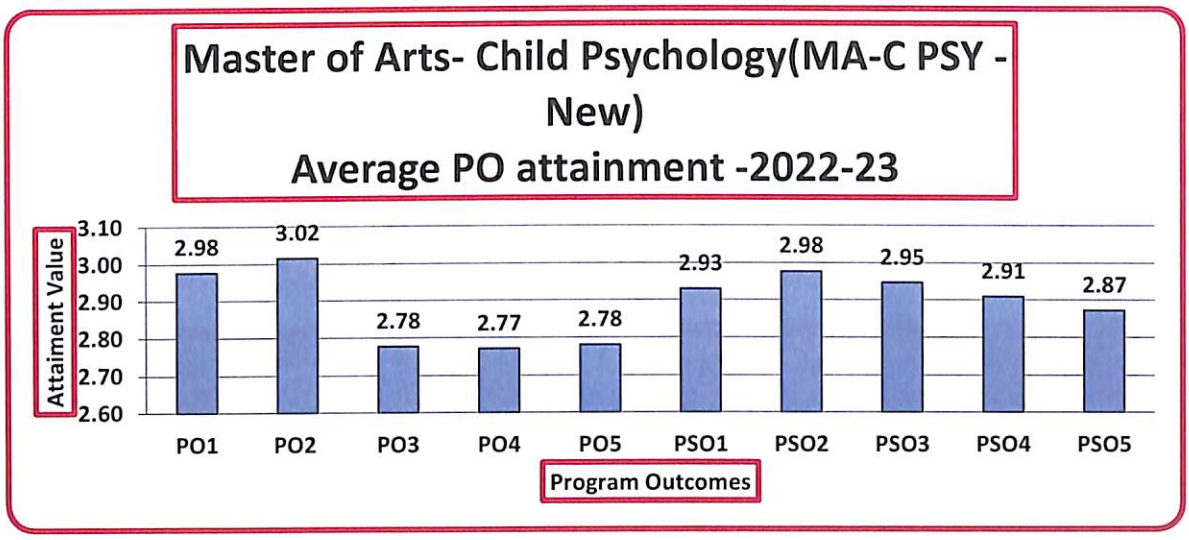
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	Child Psychopathology - I	PMCP 101 CP 23 MA	4	4				4	4	4	4	4
	Counseling Process and Micro Skills	PMCP 102 CM 23 MA	2.5	2.5	2.5	2.5			2.5	2.5	2.5	2.5
	Practical in Psychology - Experiments	PMCP 103 PE 23 MA			3		3	3			3	
	Statistics in Psychology	PMCP 104 SS 23 MA			1.75		1.75	1.75				1.75
	Educational Psychology	PMCP 105 EP 23 ME	2.5		2.5		2.5			2.5	2.5	2.5
Sem 1	Research Methods in Psychology	PMCP 107 RM 23 MI			2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Child Psychopathology –II	PMCP 201 CP 23 MA	3	3				3	3	3	3	3
	Assessment Techniques for Children and Adolescents	PMCP 202 AT 23 MA	4	4	4		4	4	4	4	4	4
	Practical in Psychology - Experiments	PMCP 203 PE 23 MA			3		3	3				3
	Statistics in Psychology	PMCP 204 SS 23 MA			2.25		2.25				2.25	
	Positive Psychology	PMCP 205 PP 23 ME		3	3					3	3	
Sem 2	Internship	PMCP 207 IN 23 JT	5	5	5	5	5	5	5	5	5	5
	Core 5: Practicum in Child Psychology	2331CPS YPC	5	5	5	5	5	5	5	5	5	5
Sem 3	Core 6: Research Project in Child Psychology I	2332CPS YRP	1	1	1	1	1	1	1	1	1	1

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	DSC 5: Workshop and Training in Interventions / Counseling skills	2333PSYWT	4	4	4	4	4	4	4	4	4	4
Sem 4	Core 7: Research Project in Child Psychology II	2341CPSYRP	4	4	4	4	4	4	4	4	4	4
	Core 8: Creative Therapies for Children and Adolescents	2342CPSYCT	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	DSC 6: Disabilities, Special needs, and Inclusion	2343CPSYDS	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	DSC 5: Workshop and Training in Interventions / Counseling skills	2344PSYWT	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

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From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (value greater than2.5).

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ANNEXTURE PG 5

Master of Arts (Industrial Psychology)- MA (Industrial Psychology)

Table PG 5.1: PO& CO Mapping Table Master of Arts. (Industrial Psychology - New)

Academic Year 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PS01	PS02	PS03	PSO4	PSO5
Sem 1	Human Resource Management	PMIP 101 HRM 23 MA	*						*	*	*		*
	Organizational Behaviour	PMIP 102 OB 23 MA	*		*	*			*	*	*	*	*
	Practical in Psychology - Experiments	PMIP 103 PE 23 MA					*	*	*				
	Statistics in Psychology	PMIP 104 SS 23 MA		*	*	*	*	*	*				
	Educational Psychology	PMIP 105 EP 23 ME		*			*			*	*		*
	Research Methods in Psychology	PMIP 107 RM 23 MI				*		*	*				
Sem 2	Human Resource Development	PMIP 201 HRD 23 MA	*						*	*	*	*	*
	Organizational Development	PMIP 202 OD 23 MA	*			*			*	*	*		*
	Practical in Psychology - Experiments	PMIP 203 PE 23 MA						*	*				
	Statistics in Psychology	PMIP 204 SS 23 MA			*		*	*	*	*			
	Positive Psychology	PMIP 205 PP 23 ME		*						*	*	*	*
	Internship	PMIP 207 IN 23 JT	*				*	*	*	*	*	*	*
Sem 3	Core 5: Practicum in Industrial Psychology	233IPSYPC	*	*	*	*	*	*	*	*	*	*	*
	Core 6: Research Project in Industrial Psychology I	2332IPSYRP	*	*	*	*	*	*	*	*	*	*	*
	DSC 5: Workshop and Training in Interventions / Counseling skills	2333PSYWT	*	*	*	*	*	*	*	*	*	*	*
Sem 4	Core 7: Research	2341IPSYRP	*	*	*	*	*	*	*	*	*	*	*

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	Project in Industrial Psychology II												
	Core 8: Workplace Relationships	2342IPSY WR	*	*	*	*	*	*	*	*	*	*	*
	DSC 6: Consumer Behaviour	2343IPSYC B	*	*	*	*	*	*	*	*	*	*	*
	DSC 7: Workshop and Training in Interventions / Counseling skills	2344PSYW T	*	*	*	*	*	*	*	*	*	*	*

Table No. PG 5.2: CO Attainment Level - Master of Arts. (Industrial Psychology - New)
Academic Year 2023-24

SEM	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Human Resource Management	PMIP 101 HRM 23 MA	4	2	Fully Attained	NA
	Organizational Behaviour	PMIP 102 OB 23 MA	2.5	2	Fully Attained	NA
	Practical in Psychology - Experiments	PMIP 103 PE 23 MA	4	2	Fully Attained	NA
	Statistics in Psychology	PMIP 104 SS 23 MA	1.25	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Educational Psychology	PMIP 105 EP 23 ME	2.5	2	Fully Attained	NA
	Research Methods in Psychology	PMIP 107 RM 23 MI	3	2	Fully Attained	NA
II	Human Resource Development	PMIP 201 HRD 23 MA	3.5	2	Fully Attained	NA
	Organizational Development	PMIP 202 OD 23 MA	4	2	Fully Attained	NA
	Practical in Psychology - Experiments	PMIP 203 PE 23 MA	3	2	Fully Attained	NA
	Statistics in Psychology	PMIP 204 SS 23 MA	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Positive Psychology	PMIP 205 PP 23 ME	3.5	2	Fully Attained	NA

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	Internship	PMIP 207 IN 23 JT	2.5	2	Fully Attained	NA
III	Core 5: Practicum in Industrial Psychology	233IPSYPC	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Core 6: Research Project in Industrial Psychology I	2332IPSYRP	2	2	Fully Attained	NA
	DSC 5: Workshop and Training in Interventions / Counseling skills	2333PSYWT	4	2	Fully Attained	NA
IV	Core 7: Research Project in Industrial Psychology II	2341IPSYRP	4	2	Fully Attained	NA
	Core 8: Workplace Relationships	2342IPSYWR	2	2	Fully Attained	NA
	DSC 6: Consumer Behaviour	2343IPSYCB	1.6	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	DSC 7: Workshop and Training in Interventions / Counseling skills	2344PSYWT	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
		AVERAGE	***2.69***			

Table No. PG 5.2a: PO Attainment Level-MA(Industrial Psychology)- Year-2023-24

Academic year	**PO attainment level**	**Target Attainment Level**	**Fully Attained/ Not Attained**	**Remedial Measures**
A 2023-24	5	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

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10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required

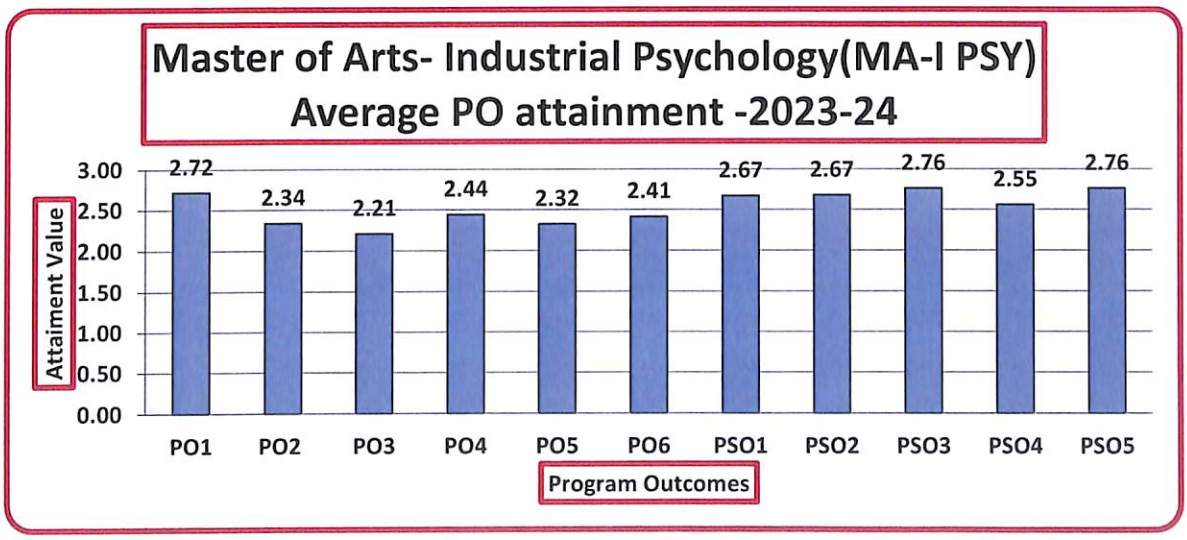
Table No. PG 5.3: Results of CO-PO attainment

Master of Arts. (Industrial Psychology- New)

			PROGRAMME OUTCOMES						PROGRAMME SPECIFIC OUTCOMES				
SEM		Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
1	Human Resource Management	PMIP 101 HRM 23 MA	4						4	4	4		4
	Organizational Behaviour	PMIP 102 OB 23 MA	2.5		2.5	2.5			2.5	2.5	2.5	2.5	2.5
	Practical in Psychology - Experiments	PMIP 103 PE 23 MA					4	4	4				
	Statistics in Psychology	PMIP 104 SS 23 MA		1.25	1.25	1.25	1.25	1.25	1.25				
	Educational Psychology	PMIP 105 EP 23 ME		2.5			2.5			2.5	2.5		2.5
	Research Methods in Psychology	PMIP 107 RM 23 MI				3		3	3				
2	Human Resource Development	PMIP 201 HRD 23 MA	3.5						3.5	3.5	3.5	3.5	3.5
	Organizational Development	PMIP 202 OD 23 MA	4			4			4	4	4		4
	Practical in Psychology - Experiments	PMIP 203 PE 23 MA						3	3				
	Statistics in Psychology	PMIP 204 SS 23 MA			1.5		1.5	1.5	1.5	1.5			
	Positive Psychology	PMIP 205 PP 23 ME		3.5						3.5	3.5	3.5	3.5
	Internship	PMIP 207 IN 23 JT	2.5				2.5	2.5	2.5	2.5	2.5	2.5	2.5
3	Core 5: Practicum in Industrial Psychology	233IPSYPC	1	1	1	1	1	1	1	1	1	1	1
	Core 6: Research Project in Industrial Psychology I	2332IPSYRP	2	2	2	2	2	2	2	2	2	2	2
	DSC 5: Workshop and Training in Interventions / Counseling skills	2333PSYWT	4	4	4	4	4	4	4	4	4	4	4
4	Core 7: Research	2341IPSYRP	4	4	4	4	4	4	4	4	4	4	4

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	Project in Industrial Psychology II												
	Core 8: Workplace Relationships	2342IPSY WR	2	2	2	2	2	2	2	2	2	2	2
	DSC 6: Consumer Behaviour	2343IPSY CB	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	DSC 7: Workshop and Training in Interventions / Counseling skills	2344PSY WT	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (value greater than 2.5).

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ANNEXTURE PG 6

Master of Arts(Geography)- MA(GEO)

Table No. PG 6.1: PO CO Mapping Matrix:

Master of Arts(Geography)- MA(GEO)- Academic Year-2023-24

			PROGRAMME OUTCOME					
SEM	**Course Name**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**
Sem 1	Principles of Climatology	PMG 101 PC 23 MA	*		*			*
	Perspectives in Human Geography	PMG 102 HG 23 MA	*				*	*
	Spatial Organisation of Economic Activities	PMG 103 EA 23 MA	*	*	*		*	
	Principles of Geomorphology	PMG 104 PG 23 MA	*	*	*		*	*
	Introduction to QGIS	PMG 105 IQ 23 ME	*	*	*	*	*	*
	Research Methodology	PMG 108 RM 23 MI	*	*	*	*	*	*
Sem 2	Oceanography and Hydrology	2221PGEOH	*				*	*
	Geoinformatics	2222PGEGI	*		*	*	*	*
	Socio-cultural and Political Geography	2223PGESP	*	*			*	*
	Urban Geography	2224PGEUG	*	*	*	*	*	*
	Tools and Techniques of Spatial Analysis – III	2225PGET3	*	*	*	*	*	*
	Tools and Techniques of Spatial Analysis- IV	2226PGET4	*	*	*	*	*	*
	Internship	222PGEIP	*	*	*	*	*	*
Sem 3	Research Methodology in Geography	1731PGERM	*			*	*	*
	Climatology of Tropics	1732PGECT	*			*	*	*
	Geography of South Asia With Special Reference to India	1733PGESA	*	*	*	*	*	*
	Tools and Techniques of Spatial Analysis –V	1734PGETT	*	*	*	*	*	*
	Tools and Techniques of Spatial Analysis –VI	1735PGETT	*	*	*	*	*	*
	COIST	223PGECT	*	*	*	*	*	*
Sem 4	Geo-informatics and Health Car	1741PGEHE	*	*			*	
	Ecology and Environment	1742PGEEE	*			*	*	*
	Dissertation	1743PGED	*	*	*	*	*	*
	Certificate Course in QGIS	224PGEQG	*	*	*	*	*	*

Table No. PG 6.2: CO Attainment Level: Master of Arts(Geography)- MA(GEO)-

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Academic Year-2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Principles of Climatology	PMG 101 PC 23 MA	4	2	Fully Attained	NA
	Perspectives in Human Geography	PMG 102 HG 23 MA	4.5	2	Fully Attained	NA
	Spatial Organisation of Economic Activities	PMG 103 EA 23 MA	4.5	2	Fully Attained	NA
	Principles of Geomorphology	PMG 104 PG 23 MA	2.5	2	Fully Attained	NA
	Introduction to QGIS	PMG 105 IQ 23 ME	4.5	2	Fully Attained	NA
	Research Methodology	PMG 108 RM 23 MI	4	2	Fully Attained	NA
II	Geoinformatics	PMG 201 GI 23 MA	4	2	Fully Attained	NA
	Socio-cultural and Political Geography	PMG 202 SCP 23 MA	3	2	Fully Attained	NA
	Urban Geography	PMG 203 UG 23 MA	3	2	Fully Attained	NA
	Oceanography and Hydrology	PMG 204 OH 23 MA	2	2	Fully Attained	NA
	Tools and Techniques of Spatial Analysis	PMG 205 TSA 23 ME	4.5	2	Fully Attained	NA
	Internship	PMG 201 MST 23 JT	1.5	2	Fully Attained	NA
III	Research Methodology in Geography	1731PGERM	3.6	2	Fully Attained	NA
	Climatology of Tropics	1732PGECT	3.6	2	Fully Attained	NA
	Geography of South Asia With Special Reference to India	1733PGESA	4	2	Fully Attained	NA
	Tools and Techniques of Spatial Analysis –V	1734PGETT	3	2	Fully Attained	NA
	Tools and Techniques of Spatial Analysis –VI	1735PGETT	4	2	Fully Attained	NA
	COIST	223PGECT	3	2	Fully Attained	NA

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ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE
(AUTONOMOUS)
MALAD (W), MUMBAI - 400 064.

IV	Geo-informatics and Health Car	1741PGEHE	3.2	2	Fully Attained	NA
	Ecology and Environment	1742PGEEE	2.4	2	Fully Attained	NA
	Dissertation	1743PGED	2	2	Fully Attained	NA
		Average	3.37	2		
NA: Not Applicable as target level is fully attained/ Semester II is not conducted so far as course begins very late due to pandemic.						

Table No. PG 6.2a. PO Attainment Level-MA (Geography)-Academic year 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2023-24	5	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment level are greater than target level-4. Hence at present no plans are required.

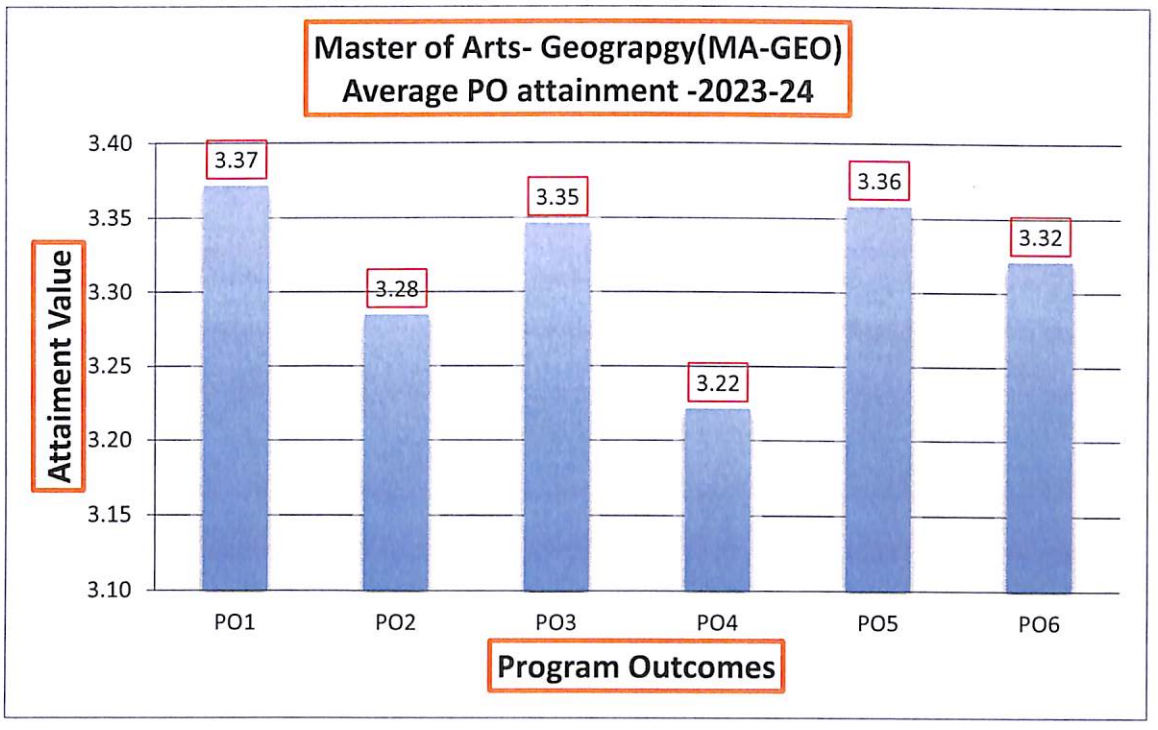
Table No. PG 6.3: Results of CO-PO attainment-
Master of Arts(Geography)-MA(GEO)-Academic Year 2023-24

			PROGRAMME OUTCOME					
SEM	Course Name	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
Sem 1	Principles of Climatology	PMG 101 PC 23 MA	4		4			4
	Perspectives in Human Geography	PMG 102 HG 23 MA	4.5				4.5	4.5
	Spatial Organisation of Economic Activities	PMG 103 EA 23 MA	4.5	4.5	4.5		4.5	
	Principles of Geomorphology	PMG 104 PG 23 MA	2.5	2.5	2.5		2.5	2.5
	Introduction to QGIS	PMG 105 IQ 23 ME	4.5	4.5	4.5	4.5	4.5	4.5
	Research Methodology	PMG 108 RM 23 MI	4	4	4	4	4	4

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Sem 2	Geoinformatics	PMG 201 GI 23 MA	4				4	4
	Socio-cultural and Political Geography	PMG 202 SCP 23 MA	3		3	3	3	3
	Urban Geography	PMG 203 UG 23 MA	3	3			3	3
	Oceanography and Hydrology	PMG 204 OH 23 MA	2	2	2	2	2	2
	Tools and Techniques of Spatial Analysis	PMG 205 TSA 23 ME	4.5	4.5	4.5	4.5	4.5	4.5
	Internship	PMG 201 MST 23 JT	1.5	1.5	1.5	1.5	1.5	1.5
Sem 3	Research Methodology in Geography	1731PGERM	3.6			3.6	3.6	3.6
	Climatology of Tropics	1732PGECT	3.6			3.6	3.6	3.6
	Geography of South Asia With Special Reference to India	1733PGESA	4	4	4	4	4	4
	Tools and Techniques of Spatial Analysis –V	1734PGETT	3	3	3	3	3	3
	Tools and Techniques of Spatial Analysis –VI	1735PGETT	4	4	4	4	4	4
	COIST	223PGECT	3			3		3
Sem 4	Geo-informatics and Health Car	1741PGEHE	3.2	3.2			3.2	
	Ecology and Environment	1742PGEEE	2.4			2.4	2.4	2.4
	Dissertation	1743PGED	2	2	2	2	2	2
		AVERAGE	3.37	3.28	3.35	3.22	3.36	3.32

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From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (value greater than 2.5)

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ANNEXTURE PG 7

Master of Science (Information Technology) - M. Sc. (IT)

Table No. PG 7.1: PO CO Mapping Matrix:
Master of Science (Information Technology) - M. Sc. (IT): Academic Year - 2023-24

Sem	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
Sem 1	Machine Learning	PSIT 101 ML 23 MA	*	*	*	*	*				*	*	*	*
	Foundations of Data Science	PSIT 102 FDS 23 MA	*	*	*			*	*		*			*
	Machine Learning Practical	PSIT 103 MLP 23 MA	*	*	*	*	*				*	*	*	*
	Foundations of Data Science Practical	PSIT 104 FDSP 23 MA	*	*	*			*	*		*			*
	Soft Skills	PSIT 105 SS 23 MA	*								*	*	*	*
	Cyber and Information Security	PSIT 106 CIS 23 ME	*	*	*	*					*			
	Analysis of Algorithms	PSIT 107 AA 23 ME	*	*	*			*	*	*	*	*		*
	Research in Computing	PSIT 108 RC 23 MI	*	*			*	*	*	*	*	*		*
Sem 2	Soft Computing	PSIT 201 SC 23 MA	*	*	*			*	*		*	*		
	Foundations of Big Data	PSIT 202 FBD 23 MA	*	*	*			*			*	*	*	*
	Soft Computing Practical	PSIT 203 SCP 23 MA	*	*	*			*	*		*	*		
	Foundations of Big Data Practical	PSIT 204 FBDP 23 MA	*	*	*			*			*	*	*	*
	Foundations of Mathematics	PSIT 205 FM 23 MA	*	*	*	*	*	*	*			*		
	Computer Forensics	PSIT 206 CF 23 ME	*	*	*	*	*				*			*
	Cloud Computing	PSIT 207 CC 23 ME	*	*	*	*						*		*
	Internship	PSIT 208 INT 23 JT	*	*	*	*	*	*	*	*	*	*		*
	MiniProject	PSIT 208 MP 23 RP	*	*	*	*	*	*	*	*	*	*		*

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Sem 3	Artificial Intelligence	2131PITAI	*		*	*	*	*				*		
	Artificial Intelligence Practical	2131PITAIP	*		*	*	*	*	*	*		*		
	Entrepreneurship and Ethics in IT	2132PITEE	*	*	*			*	*		*		*	*
	Project	2133PITPR	*	*	*	*	*	*	*	*	*	*		*
	Engineering Blockchain Applications	2134PITEBC	*	*	*	*	*		*			*		
	Engineering Blockchain Applications Practical	2134PITEBCP	*		*	*	*	*		*		*	*	*
	Ethical Hacking Offensive Penetration Testing-1	2135PITEH	*	*	*	*	*		*			*		*
	Ethical Hacking Offensive Penetration Testing-1 Practical	2135PITEHP	*		*	*	*	*		*		*	*	*
	Image Processing	2136PITIP	*		*	*	*		*			*	*	
	Image Processing Practical	2136PITIPP	*		*	*	*		*			*	*	
	Mastering Microservices with Python, Flask, and Docker	2137PITMS	*		*	*	*	*	*			*		
	Mastering Microservices with Python, Flask, and Docker Practical	2137PITMSP	*		*	*	*	*	*			*	*	*
	Introduction to Deep Learning	2141PITDL	*		*	*	*	*	*			*		
	Introduction to Deep Learning Practical	2141PITDLP	*		*	*	*	*	*			*		
	Project	2142PITPR	*	*	*	*	*	*	*	*	*	*		*
	Developing Blockchain-Based Identity Applications	2143PITDBC	*		*	*	*	*	*			*		*
	Developing Blockchain-Based Identity Applications Practical	21435PITDBCP	*		*	*	*	*	*			*	*	
	Security Operations Management	2144PITSOM	*	*	*	*	*	*	*	*		*	*	
	Security Operations Management Practical	2144PITSOMP	*	*	*	*	*	*	*	*		*	*	

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Sem 4	Advanced Image Processing	2145PITAIP	*		*	*	*		*			*	*	
	Advanced Image Processing Practical	2145PITAIPP	*		*	*	*		*			*	*	
	Advanced Linux System Administration	2146PITLSA	*	*	*		*			*	*		*	*
	Advanced Linux System Administration Practical	2146PITLSAP	*	*	*		*			*	*		*	*

Table No. PG 7.2: CO Attainment Level: Master of Science- M. Sc. (Information Technology)
Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Machine Learning	PSIT 101 ML 23 MA	3.5	2	Fully Attained	NA
	Foundations of Data Science	PSIT 102 FDS 23 MA	2	2	Fully Attained	NA
	Machine Learning Practical	PSIT 103 MLP 23 MA	1.5	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Foundations of Data Science Practical	PSIT 104 FDSP 23 MA	2	2	Fully Attained	NA
	Soft Skills	PSIT 105 SS 23 MA	0.75	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Cyber and Information Security	PSIT 106 CIS 23 ME	3.5	2	Fully Attained	NA
	Analysis of Algorithms	PSIT 107 AA 23 ME		2		NA
	Research in Computing	PSIT 108 RC 23 MI	2.5	2	Fully Attained	NA
	Soft Computing	PSIT 201 SC 23 MA	1.5	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Foundations of Big Data	PSIT 202 FBD 23 MA	2.5	2	Fully Attained	NA
	Soft Computing Practical	PSIT 203 SCP 23 MA	1.5	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.

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II	Foundations of Big Data Practical	PSIT 204 FBDP 23 MA	1.75	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Foundations of Mathematics	PSIT 205 FM 23 MA	1.5	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Computer Forensics	PSIT 206 CF 23 ME	1.5	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Internship	PSIT 208 INT 23 JT	3	2	Fully Attained	NA
	MiniProject	PSIT 208 MP 23 RP	3.5	2	Fully Attained	NA
III	Artificial Intelligence	2131PITAI	1.2	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Artificial Intelligence Practical	2131PITAIP	1	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Entrepreneurship and Ethics in IT	2132PITEE	2	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Project	2133PITPR	1	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Engineering Block chain Applications	2134PITEBC	2.4	2	Fully Attained	NA
	Engineering Blockchain Applications Practical	2134PITEBCP	1.5	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
IV	Introduction to Deep Learning	2141PITDL	1.4	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Introduction to Deep Learning Practical	2141PITDLP	1	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Project	2142PITPR	3	2	Fully Attained	NA
	Developing Blockchain-Based Identity Applications	2143PITDBC	2.6	2	Fully Attained	NA

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	Developing Blockchain-Based Identity Applications Practical	21435PITDBCP	1.5	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned.
	Advanced Image Processing	2145PITAIP	3	2	Fully Attained	NA
	Advanced Image Processing Practical	2145PITAIPP	0	2	Not Fully Attained	Assignments,tutorials, exercises and remedial coaching shall be planned..
			1.93			
NA: Not Applicable as target level is fully attained/ Semester II is not conducted so far as course begins very late due to pandemic.						

Table No. PG 7.2a: PO Attainment Level- M. Sc. (Information Technology)-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2020-21	4	4	Fully Attained	NA
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

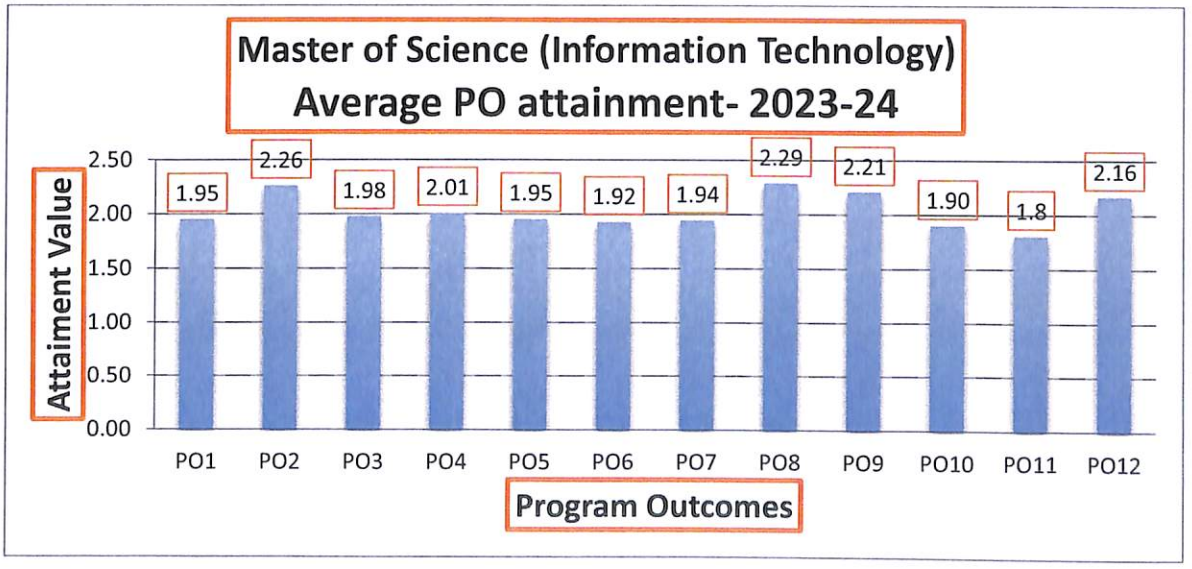
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Table No. PG 7.3: Results of CO-PO attainment-
M. Sc. (Information Technology)-M. Sc.(IT)-Academic Year 2023-24

Sem	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
Sem 1	Machine Learning	PSIT 101 ML 23 MA	3.5	3.5	3.5	3.5	3.5				3.5	3.5	3.5	3.5
	Foundations of Data Science	PSIT 102 FDS 23 MA	2	2	2			2	2		2			2
	Machine Learning Practical	PSIT 103 MLP 23 MA	1.5	1.5	1.5	1.5	1.5				1.5	1.5	1.5	1.5
	Foundations of Data Science Practical	PSIT 104 FDSP 23 MA	2	2	2			2	2		2			2
	Soft Skills	PSIT 105 SS 23 MA	0.75								0.75	0.75	0.75	0.75
	Cyber and Information Security	PSIT 106 CIS 23 ME	3.5	3.5	3.5	3.5					3.5			
	Research in Computing	PSIT 108 RC 23 MI	2.5	2.5			2.5	2.5	2.5	2.5	2.5	2.5		2.5
Sem 2	Soft Computing	PSIT 201 SC 23 MA	1.5	1.5	1.5			1.5	1.5		1.5	1.5		
	Foundations of Big Data	PSIT 202 FBD 23 MA	2.5	2.5	2.5			2.5			2.5	2.5	2.5	2.5
	Soft Computing Practical	PSIT 203 SCP 23 MA	1.5	1.5	1.5			1.5	1.5		1.5	1.5		
	Foundations of Big Data Practical	PSIT 204 FBDP 23 MA	1.75	1.75	1.75			1.75			1.75	1.75	1.75	1.75
	Foundations of Mathematics	PSIT 205 FM 23 MA	1.5	1.5	1.5	1.5	1.5	1.5	1.5			1.5		
	Computer Forensics	PSIT 206 CF 23 ME	1.5	1.5	1.5	1.5	1.5				1.5			1.5
	Internship	PSIT 208 INT 23 JT	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		3
	MiniProject	PSIT 208 MP 23 RP	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		3.5
	Artificial Intelligence	2131PITAI	1.2		1.2	1.2	1.2	1.2				1.2		
	Artificial Intelligence Practical	2131PITAIP	1		1	1	1	1	1	1		1		
	Entrepreneurship and Ethics in IT	2132PITEE	2	2	2			2	2		2		2	2
	Project	2133PITPR												
	Engineering Blockchain Applications	2134PITEBC	1	1	1	1	1	1	1	1	1	1		1
	Engineering Blockchain Applications Practical	2134PITEBCP	2.4	2.4	2.4	2.4	2.4		2.4			2.4		
	Ethical Hacking Offensive Penetration Testing-I	2135PITEH	1.5		1.5	1.5	1.5	1.5		1.5		1.5	1.5	1.5

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Sem 3													
Sem 4	Introduction to Deep Learning	2141PITDL	1.4		1.4	1.4	1.4	1.4	1.4			1.4		
	Introduction to Deep Learning Practical	2141PITDLP	1		1	1	1	1	1			1		
	Project	2142PITPR	3	3	3	3	3	3	3	3	3	3		3
	Developing Blockchain-Based Identity Applications	2143PITDBC	2.6		2.6	2.6	2.6	2.6	2.6			2.6		2.6
	Developing Blockchain-Based Identity Applications Practical	21435PITDBCP	1.5		1.5	1.5	1.5	1.5	1.5			1.5	1.5	
	Advanced Image Processing	2145PITAIP	3		3	3	3		3			3	3	
	Advanced Image Processing Practical	2145PITAIPP	0		0	0	0		0			0	0	
			1.95	2.26	1.98	2.01	1.95	1.92	1.94	2.29	2.21	1.90	1.8	2.16



From above graph, it is observed that average PO attainment value for five of the program outcomes is greater than 2. It means, PO attainment by corresponding courses is at Very good level (value between 2.0 and 2.5).

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ANNEXTURE PG 8

Master of Science (Geoinformatics) - M.Sc.(Geoinformatics)

Table No. PG 8.1: PO CO Mapping Matrix:

Master of Science (Geoinformatics)-M.Sc.(Geoinformatics) Academic Year-2023-24

			PROGRAMME OUTCOME					
SEM	**Course Name**	**Course Code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**
Sem 1	Fundamentals of Remote Sensing	2211PGIFRS	*		*	*	*	*
	Fundamentals of the Earth's System	2212PGIFES	*	*	*		*	
	Fundamentals of Mathematics	2213PGIFMS	*	*	*	*	*	*
	Fundamentals of Computers	2214PGIFCM	*	*	*	*	*	*
	Tools and Techniques in Geo informatics - I	2215PGITTG	*	*	*	*	*	*
	Tools and Techniques in Geo informatics – II	2216PGITTG	*	*	*	*	*	*
	Soft Skills for Professionals	221PGISS				*		
Sem 2	Geo Environmental Science and Remote Sensing	2221PGIERS	*	*	*	*	*	*
	Spatial Analysis on Statistical Methods	2222PGISAS	*		*	*	*	*
	Digital Image Processing	2223PGIDIP		*		*		*
	Programming with Python	2224PGIPPY		*	*	*		*
	Tools and Techniques in Geo informatics – III	2225PGITTG	*	*	*	*	*	*
	Tools and Techniques in Geoinformatics – IV	2226PGITTG	*	*	*	*	*	*
	Internship	222PGIIP	*	*	*	*	*	*
Sem 3	Research Methodology	2131PGIRMY	*		*	*		
	Advances in Remote Sensing and Advanced Techniques in Spatial Data Processing	2132PGIARST	*	*	*	*	*	*
	Advances in GIS	2133PGIGIS	*	*		*	*	*
	Web Designing	2134PGWDS		*				*
	Project	2135PGIPRJ	*	*	*	*	*	*
	COIST	223PGECT	*			*		*
Sem 4	Geo informatics and Health Care	2141PGIGHC	*		*	*	*	*
	Database Management Systems	2142PGIDMS	*	*	*	*	*	*
	Dissertation	2143PGIDISN	*	*	*	*	*	*
	Certificate Course in QGIS	224PGIQG	*	*	*	*	*	*

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Table No. PG 8.2: CO Attainment Level: Master of Science (Geoinformatics)- M.Sc.(Geoinformatics) Academic Year-2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Fundamentals of Remote Sensing	PSGI 101 FRS 23 MA	4	2	Fully Attained	NA
	Fundamentals of the Earth's System	PSGI 102 FES 23 MA	5	2	Fully Attained	NA
	Fundamentals of Computers	PSGI 103 FC 23 MA	2.5	2	Fully Attained	NA
	Fundamentals of Mathematics	PSGI 104 FM 23 MA	1.25	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Introduction to QGIS	PSGI 105 IQ 23 ME	3	2	Fully Attained	NA
	Research Methodology	PSGI 108 RM 23 MI	3.5	2	Fully Attained	NA
II	Geo Environmental Science and Remote Sensing	PSGI 201 GEI 23 MA	4	2	Fully Attained	NA
	Introduction to Python	PSGI 202 IP 23 MA	4	2	Fully Attained	NA
	Spatial Analysis on Statistical Methods	PSGI 203 SSM 23 MA	3	2	Fully Attained	NA
	Tools and Techniques in Geoinformatics	PSGI 204 TGI 23 MA	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Programming with Python	PSGI 205 PP 23 ME	3.5	2	Fully Attained	NA
	Internship	PSGI 201 MST 23 JT	2.5	2	Fully Attained	NA
III	Research Methodology	2131PGIRMY	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Advances in Remote Sensing and Advanced Techniques in Spatial Data Processing	2132PGIARST	1.2	2		
	Advances in GIS	2133PGIGIS	2.4	2	Fully Attained	NA
	Web Designing	2134PGWDS	3.8	2	Fully Attained	NA
	Project	2135PGIPRJ	4.4	2	Fully Attained	NA
	COIST	223PGECT	3	2	Fully Attained	NA

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(AUTONOMOUS)
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IV	Geo informatics and Health Care	2141PGIGHC	1.4	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Database Management Systems	2142PGIDMS	3.2	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	Dissertation	2143PGIDISN	4	2	Fully Attained	NA
	Certificate Course in QGIS	224PGIQG	4	2	Fully Attained	NA
		Average	3.05			
NA: Not Applicable as target level is fully attained/ Semester II is not conducted so far as course begins very late due to pandemic.						

Table No. PG 8.2a: PO Attainment Level-Master of Science (Geoinformatics)-M.Sc.(Geoinformatics) Academic Year-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2021-22	5	4	Fully Attained	NA
A 2022-23	5	4	Fully Attained	NA
A 2023-24	5	4	Fully Attained	NA
NA: Not Applicable as target level is fully attained.				

9. Planned Actions for Course Attainment:

The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10.Planned Actions for Program Outcome Attainment:

Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

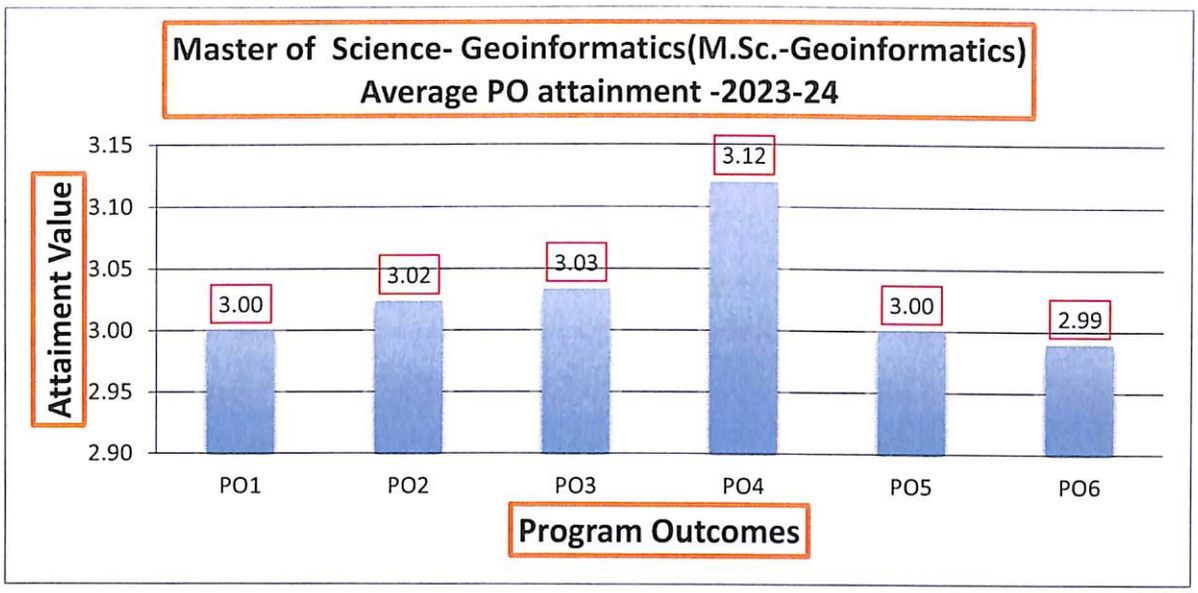
Table No. PG 8.3: Results of CO-PO attainment-Master of Science (Geoinformatics)-M.Sc.(Geoinformatics) Academic Year-2023-24

			PROGRAMME OUTCOME					
SEM	Course Name	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
Sem 1	Fundamentals of Remote Sensing	PSGI 101 FRS 23 MA	4		4	4	4	4

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	Fundamentals of the Earth's System	PSGI 102 FES 23 MA	5	5	5		5	
	Fundamentals of Computers	PSGI 103 FC 23 MA	2.5	2.5	2.5	2.5	2.5	2.5
	Fundamentals of Mathematics	PSGI 104 FM 23 MA	1.25	1.25	1.25	1.25	1.25	1.25
	Introduction to QGIS	PSGI 105 IQ 23 ME	3	3	3	3	3	3
	Research Methodology	PSGI 108 RM 23 MI	3.5	3.5	3.5	3.5	3.5	3.5
Sem 2	Geo Environmental Science and Remote Sensing	PSGI 201 GEI 23 MA	4	4	4	4	4	4
	Introduction to Python	PSGI 202 IP 23 MA	4		4	4	4	4
	Spatial Analysis on Statistical Methods	PSGI 203 SSM 23 MA		3		3		3
	Tools and Techniques in Geoinformatics	PSGI 204 TGI 23 MA		1.75	1.75	1.75		1.75
	Programming with Python	PSGI 205 PP 23 ME	3.5	3.5	3.5	3.5	3.5	3.5
	Internship	PSGI 201 MST 23 JT	2.5	2.5	2.5	2.5	2.5	2.5
Sem 3	Research Methodology	2131PGIRMY	1.8		1.8	1.8		
	Advances in Remote Sensing and Advanced Techniques in Spatial Data Processing	2132PGIARST	1.2	1.2	1.2	1.2	1.2	1.2
	Advances in GIS	2133PGIGIS	2.4	2.4		2.4	2.4	2.4
	Web Designing	2134PGWDS		3.8				3.8
	Project	2135PGIPRJ	4.4	4.4	4.4	4.4	4.4	4.4
	COIST	223PGECT	3			3		3
Sem 4	Geo informatics and Health Care	2141PGIGHC	1.4		1.4	1.4	1.4	1.4
	Database Management Systems	2142PGIDMS	3.2	3.2	3.2	3.2	3.2	3.2
	Dissertation	2143PGIDISN	4	4	4	4	4	4
	Certificate Course in QGIS	224PGIQG	4	4	4	4	4	4
		AVERAGE						

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From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (value greater than 2.5).

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ANNEXTURE PG A1
Master of Sports Management- MSM

Table No. PG A1.1: PO CO Mapping Matrix:
Master of Sports Management- MSM: Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	Aspects of Sports Framework	PCSM101 AS 23 MA	*			*		*
	Sports Athletic and Celebrity Representation	PCSM102 SAC 23 MA	*		*		*	*
	Sports Equipment and Technology	PCSM103 SET 23 MA	*		*		*	
	Case Study	PCSM104 CS 23 MA	*			*		*
	Sports Infrastructure and Facility Management	PCSM105 SIF 23 ME	*			*		
	Industrial Relations and Labour Laws	PCSM105 IRL 23 ME	*	*				
	Research Methodology	PCSM106 RM 23 RM	*			*		*
II	Managing Major Sports Events	PCSM201 MMS 23 MA	*	*	*	*		
	Sports Legal Aspects and Ethics	PCSM202 SLA 23 MA	*	*	*			
	Global Perspectives in Sports Management	PCSM203 GPS 23 MA	*	*	*	*		*
	Sports Health and Nutrition	PCSM204 SHN 23 MA	*	*		*	*	
	Sports Infrastructure and Facility Management	PCSM205 SIF 23 ME	*	*				
	Industrial Relations and Labour Laws	PCSM205 IRL 23 ME	*	*				

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	Internship & Industrial Training - I	PCSM206 PTI 23 JT	*					
III	Media Management	1931MSMED	*			*		*
	Ethics & Governance	1932MSEGV	*		*	*	*	*
	Sports Law & Risk Management	1933MSLRM	*	*		*	*	
	Global Sports Tourism	1934MSGST	*	*		*	*	
	Sports Health & Nutrition	1935MSSHN	*		*	*		*
	Professional Industry Engagement (Practical Training)	1936MSPIE				*		*
	Sanskrit	1936MSPSA	*			*		*
	Effective Presentation Skills	1936MSPPS	*			*		*
IV	Tourism Marketing	1941MSTMK	*					
	Sports Psychology	1942MSPSY	*		*		*	*
	International Sports Management	1943MSISM	*	*			*	*
	Entrepreneurship & Project Management	1944MSEPM	*	*				*
	Sports Training & Tactics	1945MSSTT	*		*	*		*
	Capstone Project	1946MSFPR	*	*	*			*
	Sanskrit	1946MSFPSA	*	*		*	*	
	Personality Development Skills	1946MSFPD	*	*		*	*	

Table No. PG A1.2: CO Attainment Level: Master of Sports Management- MSM: Academic Year - 2023-24

Semester	Course	Course Code	CO Attainmen	Attainmen t Target	Fully Attained/	Remedial Measures

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			t value	Level	Not Attained	
I	Aspects of Sports Framework	PCSM101 AS 23 MA	2.5	2	Fully Attained	NA
	Sports Athletic and Celebrity Representation	PCSM102 SAC 23 MA	2	2	Fully Attained	NA
	Sports Equipment and Technology	PCSM103 SET 23 MA	3	2	Fully Attained	NA
	Case Study	PCSM104 CS 23 MA	2	2	Fully Attained	NA
	Sports Infrastructure and Facility Management	PCSM105 SIF 23 ME	3	2	Fully Attained	NA
	Industrial Relations and Labour Laws	PCSM105 IRL 23 ME	NA	NA	NA	NA
	Research Methodology	PCSM106 RM 23 RM	2	2	Fully Attained	NA
II	Managing Major Sports Events	PCSM201 MMS 23 MA	2.5	2	Fully Attained	NA
	Sports Legal Aspects and Ethics	PCSM202 SLA 23 MA	2.5	2	Fully Attained	NA
	Global Perspectives in Sports Management	PCSM203 GPS 23 MA	3.5	2	Fully Attained	NA

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	Sports Health and Nutrition	PCSM204 SHN 23 MA	2.5	2	Fully Attained	NA
	Sports Infrastructure and Facility Management	PCSM205 SIF 23 ME	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Industrial Relations and Labour Laws	PCSM205 IRL 23 ME	NA	NA	NA	NA
	Internship & Industrial Training - I	PCSM206 PTI 23 JT	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
III	Media Management	1931MSM ED	4	2	Fully Attained	NA
	Ethics & Governance	1932MSE GV	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Sports Law & Risk Management	1933MSL RM	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Global Sports Tourism	1934MSG ST	2	2	Fully Attained	NA
	Sports Health & Nutrition	1935MSS HN	2.4	2	Fully Attained	NA
	Professional Industry Engagement (Practical Training)	1936MSPI E	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

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	Sanskrit	1936MSPSA	NA	NA	NA	NA
	Effective Presentation Skills	1937MSPPS	3	2	Fully Attained	NA
IV	Tourism Marketing	1941MSTMK	2	2	Fully Attained	NA
	Sports Psychology	1942MSPSY	2.6	2	Fully Attained	NA
	International Sports Management	1943MSISM	2.4	2	Fully Attained	NA
	Entrepreneurship & Project Management	1944MSEPM	2.2	2	Fully Attained	NA
	Sports Training & Tactics	1945MSSTT	2.4	2	Fully Attained	NA
	Capstone Project	1946MSFPR	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Personality Development Skills	1947MSFPD	2	2	Fully Attained	NA
	Sanskrit	1947MSFPSA	NA	NA	NA	NA
		AVERAGE	2.26			

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Table No. G.2a: PO Attainment Level- Master of Sports Management- MSM
Academic Year 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2020-21	4	4	Fully Attained	NA
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. PG A1.3: Results of CO-PO attainment-
Master of Sports Management- MSM: Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	Aspects of Sports Framework	PCSM101 AS 23 MA	2.5			2.5		2.5
	Sports Athletic and Celebrity Representation	PCSM102 SAC 23 MA	2		2		2	2
	Sports Equipment and Technology	PCSM103 SET 23 MA	3		3		3	
	Case Study	PCSM104 CS 23 MA	2			2		2
	Sports Infrastructure and Facility Management	PCSM105 SIF 23 ME	3			3		
	Research Methodology	PCSM106 RM 23	2			2		2

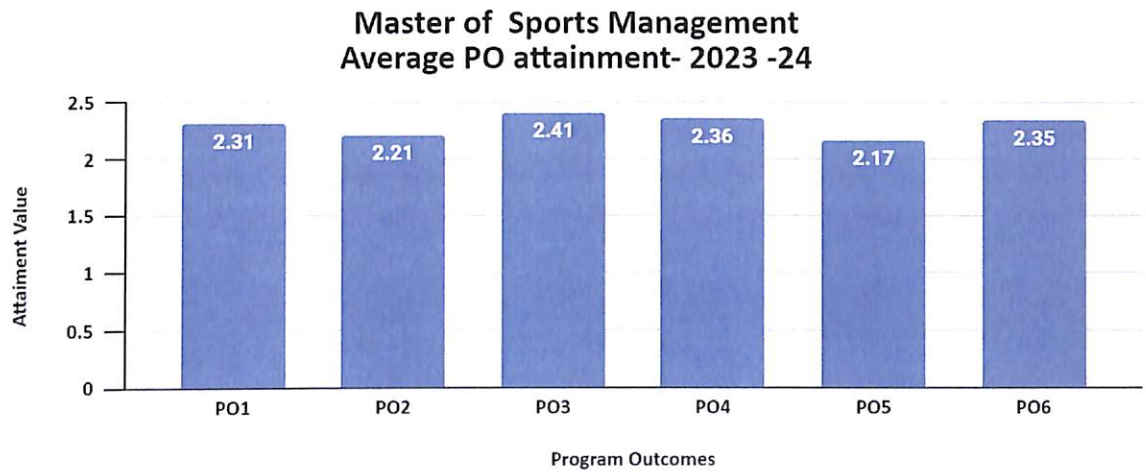
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		RM						
II	Managing Major Sports Events	PCSM201 MMS 23 MA	2.5	2.5	2.5	2.5		
	Sports Legal Aspects and Ethics	PCSM202 SLA 23 MA	2.5	2.5	2.5			
	Global Perspectives in Sports Management	PCSM203 GPS 23 MA	3.5	3.5	3.5	3.5		3.5
	Sports Health and Nutrition	PCSM204 SHN 23 MA	2.5	2.5		2.5	2.5	
	Sports Infrastructure and Facility Management	PCSM205 SIF 23 ME	1.8	1.8				
	Internship & Industrial Training - I	PCSM206 PTI 23 JT	1					
III	Media Management	1931MSMED	4			4		4
	Ethics & Governance	1932MSEGV	1.6		1.6	1.6	1.6	1.6
	Sports Law & Risk Management	1933MSLRM	1.4	1.4		1.4	1.4	
	Global Sports Tourism	1934MSGST	2	2		2	2	
	Sports Health & Nutrition	1935MSSHN	2.4		2.4	2.4		2.4
	Professional Industry Engagement (Practical Training)	1936MSPIE				1		1
	Effective Presentation Skills	1937MSPPS	3			3		3
IV	Tourism Marketing	1941MSTMK	2					
	Sports Psychology	1942MSPSY	2.6		2.6		2.6	2.6
	International Sports Management	1943MSISM	2.4	2.4			2.4	2.4

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	Entrepreneurship & Project Management	1944MSEPM	2.2	2.2				2.2
	Sports Training & Tactics	1945MSSTT	2.4		2.4	2.4		2.4
	Capstone Project	1946MSFPR	1.6	1.6	1.6			1.6
	Personality Development Skills	1947MSFPD	2	2		2	2	
		AVERAGE	2.31	2.21	2.41	2.36	2.17	2.35



From above graph, it is observed that average PO attainment value for all of the program outcome is greater than 2. It means, PO attainment by corresponding courses is at Very Good level (value between 2 to 2.5).

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ANNEXTURE PG A2
Master of Science (Computer Science) - M. Sc. (CS)

Table No. PG A2.1: PO CO Mapping Matrix:
Master of Science (Computer Science) - M. Sc. (CS): Academic Year - 2023-24

Semester	Course	Course Code	PO 1	PO2	PO 3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11
I	Advanced Database Management Systems	PSCS102 DB23MA	*	*	*			*	*	*			*
	Distributed Operating System	PSCS103 DO23MA	*	*	*			*	*	*			*
	Advanced Data Structures and Algorithms	PSCS101 DS23MA	*	*	*			*	*	*			*
	Mathematical foundations of Computer Science	PSCS104 MF23MA	*		*				*	*			*
	Research Methodology	PSCS107 RM23MI			*	*	*	*			*		
	Open Elective-I Python Programming	PSCS106 PP23ME	*	*	*		*		*	*	*		*
II	Agile Practices and DevOps	PSCS201 AP23MA	*	*	*			*	*	*			*
	Server Side Scripting	PSCS202 SS23MA	*	*	*			*	*	*			*
	Java Script Frame works	PSCS203 JSF23MA	*	*	*			*	*	*			*
	Software Engineering Concepts and Methodologies	PSCS204 SEC23MA	*		*					*	*		
	Internship	PSCS207 IN23JT	*	*	*	*	*	*	*	*	*	*	*

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	Open Elective-II (Python Web Development)	PSCS205 PWD23 ME	*	*	*		*		*	*	*		*
III	Software Verification and Validation Testing	2231PCS VT	*	*	*			*	*	*	*	*	*
	Program Elective-IV (Data Visualization)	2232PCS DV	*	*	*			*	*	*	*		*
	Program Elective-IV (Data Encryption & Compression)	2232PCS DEC	*	*	*			*	*	*			*
	Program Elective-IV (Cloud Web Services)	2232PCS CWS	*		*				*	*			*
	Program Elective-IV (Java Script Frame works)	2232PCS JS	*		*			*	*	*			*
	Program Elective-V (Data Mining)	2232PCS DM	*	*	*			*	*	*	*		*
	Program Elective-V (Web Security and SDLC)	2232PCS WS	*		*			*		*	*		*
	Program Elective-V (Hybrid Cloud Computing)	2232PCS HC	*	*	*			*	*	*	*		*
	Program Elective-V (Cross Platform Application	2232PCS CP	*	*	*			*		*	*		*

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	Development)												
	Open Elective-I (Business Analytics)	2234PCS BA	*		*	*	*	*					
	Open Elective-I (Operations Research)	2234PCS OR	*		*	*	*	*					
	Open Elective-I (Cost Management of Engineering Projects)	2234PCS CM	*		*	*	*	*		*	*		
	Placement training	2235PCS PT				*	*						
	Software Verification and Validation Testing Practical	2231PCS PR	*	*	*			*	*	*	*	*	*
	Program Elective-IV (Data Visualization) Practical	2232PCS PR	*	*	*			*	*	*	*		*
	Program Elective-V (Hybrid Cloud Computing) Practical	2232PCS PR	*	*	*			*	*	*	*		*
	Mini Project	2236PCS MP	*	*	*	*	*	*	*	*	*	*	*
	Final Project		*	*	*	*	*	*	*	*	*	*	*

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IV		2241PCS FP											
	Research Methodology	2242PCS RM			*	*	*	*			*		
	AI with Neural Networks	2243PCS NN	*	*	*			*	*	*	*		
	AI with Neural Networks Practical	2243PCS PR	*	*	*			*	*	*	*		

Table No. PG A2.2: CO Attainment Level: Master of Science- M. Sc. (CS)
Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Advanced Database Management Systems	PSCS102DB23MA	3	2	Fully Attained	NA
	Distributed Operating System	PSCS103DO23MA	4.5	2	Fully Attained	NA
	Advanced Data Structures and Algorithms	PSCS101DS23MA	3	2	Fully Attained	NA
	Mathematical foundations of Computer Science	PSCS104MF23MA	2	2	Fully Attained	NA
	Research Methodology	PSCS107RM23MI	3	2	Fully Attained	NA
	Open Elective-I Python Programming	PSCS106PP23ME	3	2	Fully Attained	NA

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II	Agile Practices and DevOps	PSCS201AP23MA	4	2	Fully Attained	NA
	Server Side Scripting	PSCS202SS23MA	4	2	Fully Attained	NA
	Java Script Frame works	PSCS203JSF23MA	3	2	Fully Attained	NA
	Software Engineering Concepts and Methodologies	PSCS204SEC23MA	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Internship	PSCS207IN23JT	2	2	Fully Attained	NA
	Open Elective-II (Python Web Development)	PSCS205PWD23ME	4	2	Fully Attained	NA
III	Software Verification and Validation Testing	2231PCSVT	0.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Program Elective-IV (Data Visualization)	2232PCSDV	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Program Elective-IV (Data Encryption & Compression)	2232PCSDEC	NA	NA	NA	NA
	Program Elective-IV (Cloud Web Services)	2232PCSCWS	NA	NA	NA	NA
	Program Elective-IV (Java Script Frame works)	2232PCSJS	NA	NA	NA	NA

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	Program Elective-V (Data Mining)	2232PC SDM	NA	NA	NA	NA
	Program Elective-V (Web Security and SDLC)	2232PC SWS	NA	NA	NA	NA
	Program Elective-V (Hybrid Cloud Computing)	2232PC SHC	2.4	2	Fully Attained	NA
	Program Elective-V (Cross Platform Application Development)	2232PC SCP	NA	NA	NA	NA
	Open Elective-I (Business Analytics)	2234PC SBA	NA	NA	NA	NA
	Open Elective-I (Operations Research)	2234PC SOR	2.4	2	Fully Attained	NA
	Open Elective-I (Cost Management of Engineering Projects)	2234PC SCM	NA	NA	NA	NA
	Placement training	2235PC SPT	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
IV	Software Verification and Validation Testing Practical	2231PC SPR	2	2	Fully Attained	NA
	Program Elective-IV (Data	2232PC SPR	4	2	Fully Attained	NA

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	Visualization) Practical					
	Program Elective-V (Hybrid Cloud Computing) Practical	2232PC SPR	2	2	Fully Attained	NA
	Mini Project	2236PC SMP	0.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Final Project	2241PC SFP	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Research Methodology	2242PC SRM	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	AI with Neural Networks	2243PC SNN	2.2	2	Fully Attained	NA
	AI with Neural Networks Practical	2243PC SPR	0	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
		AVERAGE	2.31			

Table No. PG A2.2a: PO Attainment Level- M. Sc. (Computer Science)-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2020-21	4	4	Fully Attained	NA
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

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9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. PG A2.3: Results of CO-PO attainment-
M. Sc. (CS)-Academic Year 2023-24

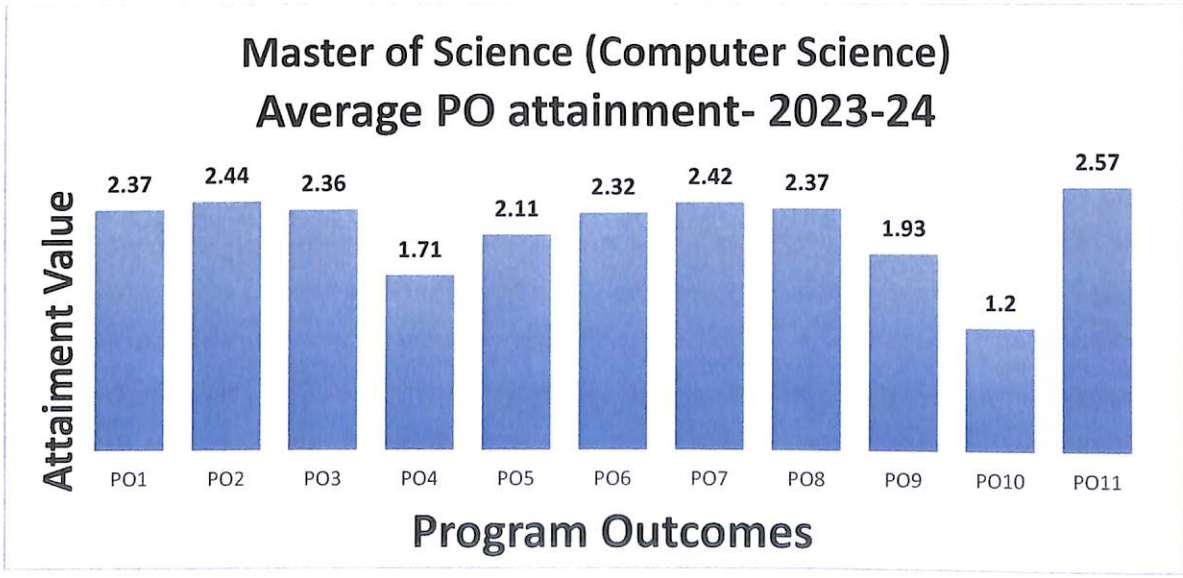
Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
I	Advanced Database Management Systems	PSCS102 DB23MA	3	3	3			3	3	3			3
	Distributed Operating System	PSCS103 DO23MA	4.5	4.5	4.5			4.5	4.5	4.5			4.5
	Advanced Data Structures and Algorithms	PSCS101 DS23MA	3	3	3			3	3	3			3
	Mathematical foundations of Computer Science	PSCS104 MF23MA	2		2				2	2			2
	Research Methodology	PSCS107 RM23MI			3	3	3	3			3		
	Open Elective-I Python Programming	PSCS106 PP23ME	3	3	3		3		3	3	3		3
II	Agile Practices and DevOps	PSCS201 AP23MA	4	4	4			4	4	4			4
	Server Side Scripting	PSCS202 SS23MA	4	4	4			4	4	4			4
	Java Script Frame works	PSCS203 JSF23MA	3	3	3			3	3	3			3

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	Software Engineering Concepts and Methodologies	PSCS204 SEC23MA	1.25		1.25					1.25	1.25		
	Internship	PSCS207 IN23JT	2	2	2	2	2	2	2	2	2	2	2
	Open Elective-II (Python Web Development)	PSCS205 PWD23ME	4	4	4		4		4	4	4		4
III	Software Verification and Validation Testing	2231PCS VT	0.4	0.4	0.4			0.4	0.4	0.4	0.4	0.4	0.4
	Program Elective-IV (Data Visualization)	2232PCS DV	1.4	1.4	1.4			1.4	1.4	1.4	1.4		1.4
	Program Elective-V (Hybrid Cloud Computing)	2232PCS HC	2.4	2.4	2.4			2.4	2.4	2.4	2.4		2.4
	Open Elective-I (Operations Research)	2234PCS OR	2.4		2.4	2.4	2.4	2.4					
	Placement training	2235PCS PT				1.4	1.4						
	Software Verification and Validation Testing Practical	2231PCS PR	2	2	2			2	2	2	2	2	2
	Program Elective-IV (Data Visualization) Practical	2232PCS PR	4	4	4			4	4	4	4		4

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	Program Elective-V (Hybrid Cloud Computing) Practical	2232PCSPR	2	2	2			2	2	2	2		2
	Mini Project	2236PCSMP	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
IV	Final Project	2241PCSFP	1	1	1	1	1	1	1	1	1	1	1
	Research Methodology	2242PCSRM			1.6	1.6	1.6	1.6			1.6		
	AI with Neural Networks	2243PCSNN	2.2	2.2	2.2			2.2	2.2	2.2	2.2		
	AI with Neural Networks Practical	2243PCSPR	0	0	0			0	0	0	0		
	AVERAGE		2.37	2.44	2.36	1.71	2.11	2.32	2.42	2.36	1.92	1.2	2.57



From above graph, it is observed that average PO attainment value for eight of the program outcome is greater than 2 and one of the program outcome is greater than 2.5. It means, PO attainment by corresponding courses is at Very Good level (value between 2 to 2.5).

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ANNEXTURE PG A3
Master of Science (Cybersecurity) - M. Sc. (Cybersecurity)

Table No. PG A3.1: PO CO Mapping Matrix:
Master of Science (Cybersecurity) - M. Sc. (Cybersecurity): Academic Year - 2023-24

Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11
I	Advanced Database Management Systems	PSCY102DB23MA	*	*	*			*	*	*			*
	Cybersecurity Fundamentals	PSCY103CF23MA	*	*	*			*	*	*			*
	Advanced Data Structures and Algorithms	PSCY101DS23MA	*	*	*			*	*	*			*
	Mathematical Foundations For Cybersecurity	PSCY104MF23MA	*		*				*	*			*
	Research Methodology	PSCY107RM23MI			*	*	*	*			*		
	Open Elective-I (Data Security and Network Security)	PSCY105DN23ME	*	*	*		*		*	*	*		*
II	Security and Risk Management	PSCY201SRM23MA	*	*	*			*	*	*			*

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	Ethical Hacking	PSCY202SS23MA	*	*	*			*	*	*			*
	Cryptography and Biometrics	PSCY203CB23MA	*	*	*			*	*	*			*
	Software Engineering Concepts and Methodologies	PSCY204SEC23MA	*		*					*	*		
	Internship	PSCY207IN23JT	*	*	*	*	*	*	*	*	*	*	*
	Open Elective-II (Defense in depth)	PSCY206DD23ME	*	*	*		*		*	*	*		*
III	IOT Security	2231PSCSIT	*	*		*	*	*	*		*	*	
	Digital Forensics and Investigation	2232PSCSDF	*	*		*	*	*	*		*	*	
	IT Governance, Risk and Compliance	2233PSCSIG	*		*	*		*	*	*		*	
	Big data Analytics	2234PSCSBA	*	*		*	*	*	*		*	*	
	English for Research Paper writing	2235PSCSER	*	*		*	*	*	*		*	*	
	Placement Training	2236PSCSPT	*		*		*	*	*		*	*	
	IOT Security Practical	2231PSCSPR	*	*		*	*	*	*		*	*	
	Digital Forensics and Investigation Practical	2232PSCSPR	*	*		*	*	*	*		*	*	

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	IT Governance, Risk and Compliance Practical	2233PSCSPR	*		*	*		*	*	*		*	
IV	Final Project	2241PCSFP	*	*	*	*	*	*	*	*	*	*	*
	Research Methodology	2242PCSRM		*		*	*		*		*	*	
	Malware Analysis	2243PCSMA	*	*	*	*		*		*		*	
	Malware Analysis Practical	2243PCSPR	*	*	*	*		*		*		*	

Table No. PG A3.2: CO Attainment Level: Master of Science (Cybersecurity) - M. Sc. (Cybersecurity)
Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Advanced Database Management Systems	PSCY102DB23MA	3	2	Fully Attained	NA
	Cybersecurity Fundamentals	PSCY103CF23MA	4	2	Fully Attained	NA
	Advanced Data Structures and Algorithms	PSCY101DS23MA	2	2	Fully Attained	NA
	Mathematical Foundations For Cybersecurity	PSCY104MF23MA	2	2	Fully Attained	NA
	Research Methodology	PSCY107RM23MI	3	2	Fully Attained	NA

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	Open Elective-I (Data Security and Network Security)	PSCY105DN23ME	3	2	Fully Attained	NA
II	Security and Risk Management	PSCY201SRM23MA	3	2	Fully Attained	NA
	Ethical Hacking	PSCY202SS23MA	3.5	2	Fully Attained	NA
	Cryptography and Biometrics	PSCY203CB23MA	3	2	Fully Attained	NA
	Software Engineering Concepts and Methodologies	PSCY204SEC23MA	1.25	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Internship	PSCY207IN23JT	3	2	Fully Attained	NA
	Open Elective-II (Defense in depth)	PSCY206DD23ME	3	2	Fully Attained	NA
III	IOT Security	2231PSCSIT	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Digital Forensics and Investigation	2232PSCSDF	0.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	IT Governance, Risk and Compliance	2233PSCSIG	0.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Big data Analytics	2234PSCSBA	0.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

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IV	English for Research Paper writing	2235PSCSER	1.2	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Placement Training	2236PSCSPT	2.4	2	Fully Attained	NA
	IOT Security Practical	2231PSCSPR	2	2	Fully Attained	NA
	Digital Forensics and Investigation Practical	2232PSCSPR	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	IT Governance, Risk and Compliance Practical	2233PSCSPR	2	2	Fully Attained	NA
	Final Project	2241PCSFP	0	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Research Methodology	2242PCSRM	1.6	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Malware Analysis	2243PCSMA	3	2	Fully Attained	NA
	Malware Analysis Practical	2243PCSPR	0	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
		AVERAGE	2.02			

Table No. PG A3.2a: PO Attainment Level- M. Sc. (Cybersecurity)-2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures

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A2020-21	4	4	Fully Attained	NA
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. PG A3.3: Results of CO-PO attainment-
M. Sc.(Cybersecurity)-Academic Year 2023-24

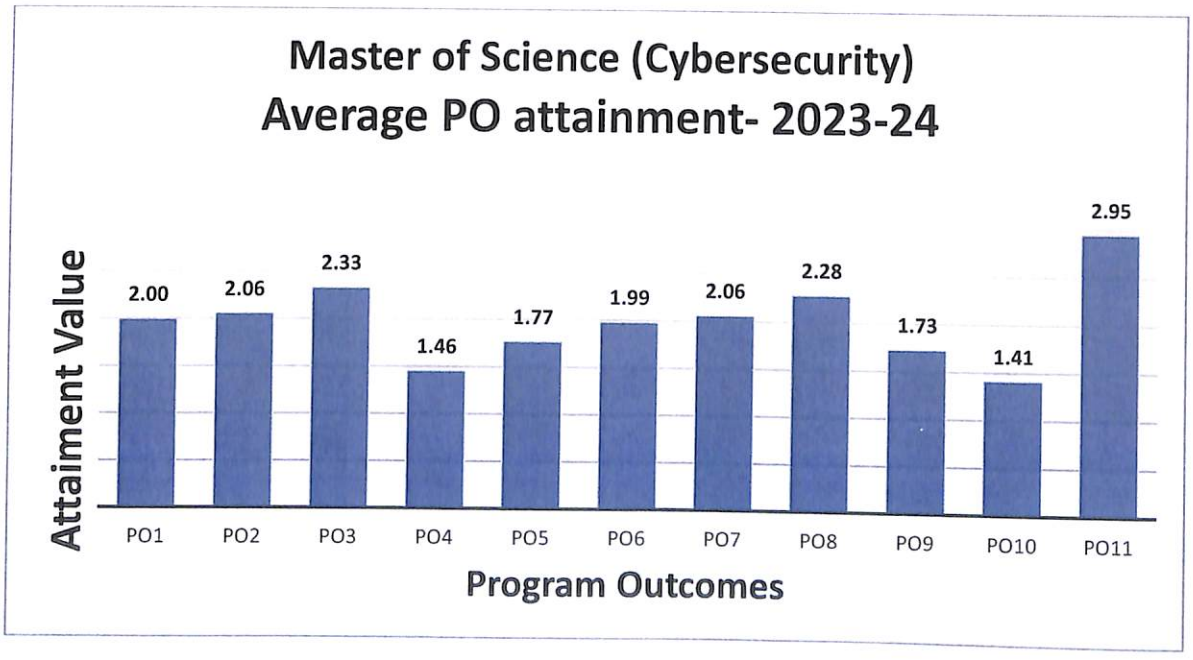
Semester	Course	Course Code	PO 1	PO2	PO3	PO 4	PO5	PO6	PO7	PO8	PO9	PO 10	PO11
I	Advanced Database Management Systems	PSCY102 DB23MA	3	3	3			3	3	3			3
	Cybersecurity Fundamentals	PSCY103 CF23MA	4	4	4			4	4	4			4
	Advanced Data Structures and Algorithms	PSCY101 DS23MA	2	2	2			2	2	2			2
	Mathematical Foundations For Cybersecurity	PSCY104 MF23MA	2		2				2	2			2
	Research Methodology	PSCY107 RM23MI			3	3	3	3			3		
	Open Elective-I (Data Security and	PSCY105 DN23ME	3	3	3		3		3	3	3		3

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	Network Security)												
II	Security and Risk Management	PSCY201 SRM23M A	3	3	3			3	3	3			3
	Ethical Hacking	PSCY202 SS23MA	3.5	3.5	3.5			3.5	3.5	3.5			3.5
	Cryptography and Biometrics	PSCY203 CB23MA	3	3	3			3	3	3			3
	Software Engineering Concepts and Methodologies	PSCY204 SEC23M A	1.25		1.25					1.25	1.25		
	Internship	PSCY207 IN23JT	3	3	3	3	3	3	3	3	3	3	3
	Open Elective-II (Defense in depth)	PSCY206 DD23ME	3	3	3		3		3	3	3		3
III	IOT Security	2231PSC SIT	1.8	1.8		1.8	1.8	**1.8**	1.8		1.8	1.8	
	Digital Forensics and Investigation	2232PSC SDF	0.6	0.6		0.6	0.6	0.6	0.6		0.6	0.6	
	IT Governance, Risk and Compliance	2233PSC SIG	0.8		0.8	0.8		0.8	0.8	0.8		0.8	
	Big data Analytics	2234PSC SBA	0.4	0.4		0.4	0.4	0.4	0.4		0.4	0.4	
	English for Research Paper writing	2235PSC SER	1.2	1.2		1.2	1.2	**1.2**	1.2		1.2	1.2	
	Placement Training	2236PSC SPT	2.4		2.4		2.4	2.4	2.4		**2.4**	2.4	
	IOT Security Practical	2231PSC SPR	2	2		2	2	2	2		2	2	

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	Digital Forensics and Investigation Practical	2232PSCSPR	1	1		1	1	1	1		1	1	
	IT Governance, Risk and Compliance Practical	2233PSCSPR	2		2	2		2	2	2		2	
IV	Final Project	2241PCSFP	0	0	0	0	0	0	0	0	0	0	0
	Research Methodology	2242PCSRM		1.6		1.6	1.6		1.6		1.6	1.6	
	Malware Analysis	2243PCSMA	3	3	3	3		3		3		3	
	Malware Analysis Practical	2243PCSPR	0	0	0	0		0		0		0	
	AVERAGE		2.00	2.06	0.33	1.46	1.77	1.99	2.06	2.28	1.73	1.41	2.95



From above graph, it is observed that average PO attainment value for one of the program outcome is greater than 2.5 and for 5 of the program outcome is greater than 2. It means, PO attainment by corresponding courses is at Good level (value between 2 to 2.5).

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ANNEXTURE PG A4
M.Sc. in Interior Design- M. Sc. ID

Table No. PG A4.1: PO CO Mapping Matrix:
M.Sc. in Interior Design- M. Sc. ID: Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	Advance Studies and Theories in Interior Design	PSID 101 AST 23 MA	*	*			*	*
	Advance Experimental Design Studio	PSID 102 AED 23 MA	*	*		*	*	*
	Evidence-based Design	PSID 103 EBD 23 MA	*				*	*
	Integrated Building Services	PSID 104 IBS 23 MA	*			*	*	*
	Communication Technology in Interior Design - I	PSID 105 CT 23 ME	*			*		*
	Interior Styling - I	PSID 105 IS 23 ME	*			*	*	*
	Research Methodology	PSID 106 RM 23				*	*	*
	Design Humanics: Design Thinking	PSID 201 DH 23 MA	*			*	*	*
	Interdisciplinary Design Studio (Hospitality, Commercial, Institutional, Healthcare)	PSID 202 IDS 23 MA				*	*	*

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	Design Collaborative Methods	PSID 203 DCM 23 MA	*			*	*	*
	Interior Building System and Details	PSID 204 IBS 23 MA	*		*	*	*	*
	Communication Technology in Interior Design - II	PSID 205 CTD 23 ME	*			*	*	*
	Interior Styling - II	PSID 205 IST 23 ME	*			*	*	*
	Internship and Industrial Training-I	PSID 206 PTI 23 JT				*	*	*
III	Design Humanics: Ergonomic Factors	2231PIDHEF	*	*	*	*	*	*
	Selection & Preliminaries	2232PIDSP	*	*	*	*	*	*
	Research Methodologies	2233PIDRM	*	*	*	*	*	*
	Project Management	2234PIDPM					*	*
	Sanskrit	2235PIDSA					*	*
	Selling Skills	2235PIDSE					*	*
IV	Thesis: Creative Component	2241PIDCC		*	*	*	*	*
	Set Designing	2242PIDSD			*	*	*	*
	Internship	2243PIDIS						*

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	Thesis Exhibition & Review	2244PIDTE			*	*	*	*
	Sanskrit	2245PIDSA			*	*	*	*
	Presentation Skills	2245PIDPS			*	*	*	*

Table No. PG A4.2: CO Attainment Level: Bachelor of Science- M.Sc. in Interior Design- M. Sc. ID: Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Advance Studies and Theories in Interior Design	PSID 101 AST 23 MA	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Advance Experimental Design Studio	PSID 102 AED 23 MA	0	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Evidence-based Design	PSID 103 EBD 23 MA	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Integrated Building Services	PSID 104 IBS 23 MA	0.75	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

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	Communication Technology in Interior Design - I	PSID 105 CT 23 ME	3	2	Fully Attained	NA
	Interior Styling - I	PSID 105 IS 23 ME	NA	NA	NA	NA
	Research Methodology	PSID 106 RM 23	0	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
II	Design Humanics: Design Thinking	PSID 201 DH 23 MA	3	2	Fully Attained	NA
	Interdisciplinary Design Studio (Hospitality, Commercial, Institutional, Healthcare)	PSID 202 IDS 23 MA	3	2	Fully Attained	NA
	Design Collaborative Methods	PSID 203 DCM 23 MA	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Interior Building System and Details	PSID 204 IBS 23 MA	2	2	Fully Attained	NA
	Communication Technology in Interior Design - II	PSID 205 CTD 23 ME	3	2	Fully Attained	NA

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	Interior Styling - II	PSID 205 IST 23 ME	NA	NA	NA	NA
	Internship and Industrial Training-I	PSID 206 PTI 23 JT	5	2	Fully Attained	NA
III	Design Humanics: Ergonomic Factors	2231PIDHEF	2	2	Fully Attained	NA
	Selection & Preliminaries	2232PIDSP	2	2	Fully Attained	NA
	Research Methodologies	2233PIDRM	3	2	Fully Attained	NA
	Project Management	2234PIDPM	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Selling Skills	2235PIDSE	2.4	2	Fully Attained	NA
	Sanskrit	2235PIDSA	NA	NA	NA	NA
IV	Thesis: Creative Component	2241PIDCC	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Set Designing	2242PIDSD	1	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

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	Internship	2243PIDIS	2	2	Fully Attained	NA
	Thesis Exhibition & Review	2244PIDTE	2	2	Fully Attained	NA
	Presentation Skills	2245PIDPS	2	2	Fully Attained	NA
	Sanskrit	2245PIDSA	NA	NA	NA	NA
		AVERAGE	1.96			

Table No. PG A4.2a: PO Attainment Level- M.Sc. in Interior Design- M. Sc. ID: Academic Year - 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2020-21	4	4	Fully Attained	NA
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:
The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

Table No. PG A4.3: Results of CO-PO attainment- M.Sc. in Interior Design- M. Sc. ID: Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	Advance Studies and Theories in Interior	PSID 101 AST 23 MA	1.5	1.5			1.5	1.5

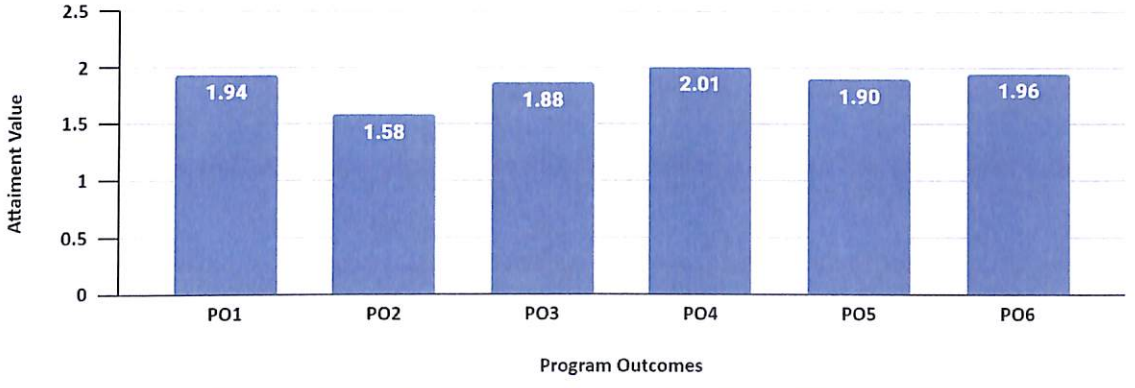
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	Design							
	Advance Experimental Design Studio	PSID 102 AED 23 MA	0	0		0	0	0
	Evidence-based Design	PSID 103 EBD 23 MA	1.5				1.5	1.5
	Integrated Building Services	PSID 104 IBS 23 MA	0.75			0.75	0.75	0.75
	Communication Technology in Interior Design - I	PSID 105 CT 23 ME	3			3		3
	Research Methodology	PSID 106 RM 23				0	0	0
II	Design Humanics: Design Thinking	PSID 201 DH 23 MA	3			3	3	3
	Interdisciplinary Design Studio (Hospitality, Commercial, Institutional, Healthcare)	PSID 202 IDS 23 MA				3	3	3
	Design Collaborative Methods	PSID 203 DCM 23 MA	1.5			1.5	1.5	1.5
	Interior Building System and Details	PSID 204 IBS 23 MA	2		2	2	2	2
	Communication Technology in Interior Design - II	PSID 205 CTD 23 ME	3			3	3	3
	Internship and Industrial Training-I	PSID 206 PTI 23 JT				5	5	5
III	Design Humanics: Ergonomic Factors	2231PIDHEF	2	2	2	2	2	2
	Selection & Preliminaries	2232PIDSP	2	2	2	2	2	2
	Research Methodologies	2233PIDRM	3	3	3	3	3	3

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	Project Management	2234PIDPM					1.4	1.4
	Selling Skills	2235PIDSE					2.4	2.4
IV	Thesis: Creative Component	2241PIDCC		1	1	1	1	1
	Set Designing	2242PIDSD			1	1	1	1
	Internship	2243PIDIS						2
	Thesis Exhibition & Review	VERAGE			2	2	2	2
	Presentation Skills	2245PIDPS			2	2	2	2
		AVERAGE	1.94	1.58	1.88	2.01	1.90	1.96

M.Sc. in Interior Design
Average PO attainment- 2023-24



From above graph, it is observed that average PO attainment value for all but one program outcomes is greater than 2.5. It means, PO attainment by corresponding courses is at excellent level (value greater than 2.5).

From above graph, it is observed that average PO attainment value for one of the program outcome is greater than 2. It means, PO attainment by corresponding courses is at Good level (value between 1.5 to 2).

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ANNEXTURE PG A5
M.Sc. in Integrative Nutrition & Dietetics - M. Sc. (IND)

Table No. PG A5.1: PO CO Mapping Matrix:
M.Sc. in Integrative Nutrition & Dietetics - M. Sc. (IND): Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4
I	Metabolic Adaptations	PSIN101 MA 23 MA	*			
	Dietary Guidelines and Meal Planning for Sports Persons	PSIN102 DGP 23 MA	*			
	Nutritional Management of Non Communicable Diseases	PSIN103 NM 23 MA				*
	Medical Nutrition Therapy - I	PSIN104 MN 23 MA	*			
	Contemporary Issues and Advances in Human Nutrition	PSIN105 CIA 23 ME			*	
	Instrumentation	PSIN105 INS 23 ME				*
	Research Methodology	PSIN106 RM 23 RM		*		
II	Public Health Nutrition	PSIN201 PHN 23 MA			*	
	Clinical Nutrition	PSIN202 CN 23 MA	*			
	Nutritional Status and Fitness Assessment	PSIN203 NSF 23 MA				*
	Medical Nutrition Therapy – II	PSIN204 MNT 23 MA	*			
	Food Quality Control and Shelf Life Studies	PSIN205 FQC 23 ME				*
	Food Service Management	PSIN205 FSM 23 ME				*

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	Internship & Industrial Training - I	PSIN206 PTI 23 JT				*
III	Disease Management through Nutrition - I	2231PSNDDM	*			
	Immunology	2232PSNDIM	*			
	Alternative Health Strategies & Therapies	2233PSNDHT			*	
	Food Psychology	2234PSNDFP				*
	Sports Nutrition	2235PSNDSN	*			
	Research Methodology & Biostatistics	2236PSNDRB			*	
	Communication & Counselling Skills	2237PSNDCC				*
	Sanskrit	2238PSNDSA	*		*	
	Effective Presentation Skills	2238PSNDPS	*		*	
IV	Nutrigenetics	2241PSNDNG	*			
	Disease Management through Nutrition - II	2242PSNDM				*
	Lifestyle Pillars	2243PSNDLP	*			
	Public Health Nutrition	2244PSNDPH				*
	Dissertation	2245PSNDT			*	
	Entrepreneurship & Management	2246PSNDEM				*
	Sanskrit	2247PSNDSA	*		*	
	Selling Skills	2247PSNDSE	*		*	

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Table No. PG A5.2: CO Attainment Level: M.Sc. in Integrative Nutrition & Dietetics - M. Sc. (IND): Academic Year - 2023-24

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	Metabolic Adaptations	PSIN101 MA 23 MA	2	2	Fully Attained	NA
	Dietary Guidelines and Meal Planning for Sports Persons	PSIN102 DGP 23 MA	3.5	2	Fully Attained	NA
	Nutritional Management of Non Communicable Diseases	PSIN103 NM 23 MA	3.5	2	Fully Attained	NA
	Medical Nutrition Therapy - I	PSIN104 MN 23 MA	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Contemporary Issues and Advances in Human Nutrition	PSIN105 CIA 23 ME	2.5	2	Fully Attained	NA
	Instrumentation	PSIN105 INS 23 ME	NA	NA	NA	NA
	Research Methodology	PSIN106 RM 23 RM	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
II	Public Health Nutrition	PSIN201 PHN 23 MA	2.5	2	Fully Attained	NA
	Clinical Nutrition	PSIN202 CN 23 MA	1.5	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall

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						be planned
	Nutritional Status and Fitness Assessment	PSIN203 NSF 23 MA	2.5	2	Fully Attained	NA
	Medical Nutrition Therapy - II	PSIN204 MNT 23 MA	1.3	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Food Quality Control and Shelf Life Studies	PSIN205 FQC 23 ME	2	2	Fully Attained	NA
	Food Quality Control and Shelf Life Studies	PSIN205 FQC 23 ME	NA	NA	NA	NA
	Internship & Industrial Training - I	PSIN206 PTI 23 JT	3	2	Fully Attained	NA
III	Disease Management through Nutrition - I	2231PSNDDM	3.4	2	Fully Attained	NA
	Immunology	2232PSNDIM	1.8	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Alternative Health Strategies & Therapies	2233PSNDHT	3.2	2	Fully Attained	NA
	Food Psychology	2234PSNDFP	2.4	2	Fully Attained	NA
	Sports Nutrition	2235PSNDSN	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned

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	Research Methodology & Biostatistics	2236PSNDRB	3	2	Fully Attained	NA
	Communication & Counselling Skills	2237PSNDCC	3	2	Fully Attained	NA
	Effective Presentation Skills	2238PSNDPS	4	2	Fully Attained	NA
	Sanskrit	2238PSNDSA	NA	NA	NA	NA
IV	Nutrigenetics	2241PSNDNG	2.6	2	Fully Attained	NA
	Disease Management through Nutrition - II	2242PSNDM	1.4	2	Not Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned
	Lifestyle Pillars	2243PSNDLP	3	2	Fully Attained	NA
	Public Health Nutrition	2244PSNDPH	2	2	Fully Attained	NA
	Dissertation	2245PSNDT	2.4	2	Fully Attained	NA
	Entrepreneurship & Management	2246PSNDEM	4.2	2	Fully Attained	NA
	Selling Skills	2247PSNDSE	2.8	2	Fully Attained	NA
	Sanskrit	2247PSNDSA	NA	NA	NA	NA
		AVERAGE	2.51			

Table No. PG A5.2a: PO Attainment Level- M.Sc. in Integrative Nutrition & Dietetics - M. Sc. (IND): Academic Year - 2023-24

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2020-21	4	4	Fully Attained	NA
A2021-22	4	4	Fully Attained	NA
A2022-23	4	4	Fully Attained	NA
NA means not applicable as target is fully attained.				

9. Planned Actions for Course Attainment:

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The Courses having attainment level Level-2, shall be addressed by planning the remedial measures such as assignments, tutorials and remedial coaching.

10. Planned Actions for Program Outcome Attainment:
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

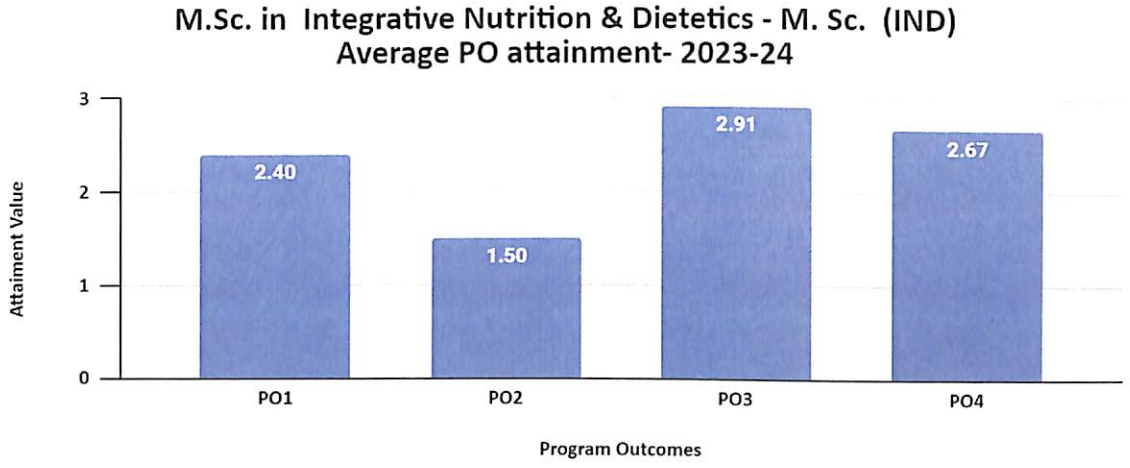
Table No. PG A5.3: Results of CO-PO attainment-
M.Sc. in Integrative Nutrition & Dietetics - M. Sc. (IND): Academic Year - 2023-24

Semester	Course	Course Code	PO1	PO2	PO3	PO4
I	Metabolic Adaptations	PSIN101 MA 23 MA	2			
	Dietary Guidelines and Meal Planning for Sports Persons	PSIN102 DGP 23 MA	3.5			
	Nutritional Management of Non Communicable Diseases	PSIN103 NM 23 MA				3.5
	Medical Nutrition Therapy - I	PSIN104 MN 23 MA	1.5			
	Contemporary Issues and Advances in Human Nutrition	PSIN105 CIA 23 ME			2.5	
	Research Methodology	PSIN106 RM 23 RM		1.5		
II	Public Health Nutrition	PSIN201 PHN 23 MA			2.5	
	Clinical Nutrition	PSIN202 CN 23 MA	1.5			
	Nutritional Status and Fitness Assessment	PSIN203 NSF 23 MA				2.5
	Medical Nutrition Therapy - II	PSIN204 MNT 23 MA	1.3			
	Food Quality Control and Shelf Life Studies	PSIN205 FQC 23 ME				2
	Internship & Industrial Training - I	PSIN206 PTI 23 JT				3

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III	Disease Management through Nutrition - I	2231PSNDDM	3.4			
	Immunology	2232PSNDIM	1.8			
	Alternative Health Strategies & Therapies	2233PSNDHT			3.2	
	Food Psychology	2234PSNDFP				2.4
	Sports Nutrition	2235PSNDSN	1.4			
	Research Methodology & Biostatistics	2236PSNDRB			3	
	Communication & Counseling Skills	2237PSNDCC				3
	Effective Presentation Skills	2238PSNDPS	4		4	
IV	Nutrigenetics	2241PSNDNG	2.6			
	Disease Management through Nutrition - II	2242PSNDM				1.4
	Lifestyle Pillars	2243PSNDLP	3			
	Public Health Nutrition	2244PSNDPH				2
	Dissertation	2245PSNDT			2.4	
	Entrepreneurship & Management	2246PSNDEM				4.2
	Selling Skills	2247PSNDSE	2.8		2.8	
		AVERAGE	2.40	1.50	2.91	2.67

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From above graph, it is observed that average PO attainment value for all but two of the program outcome is greater than 2.5. It means, PO attainment by corresponding courses is at Excellent level (value greater than 2.5).

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