



Autonomous (2016-17)

Malad Kandivli Education Society's  
**NAGINDAS KHANDWALA COLLEGE**  
OF COMMERCE, ARTS & MANAGEMENT STUDIES  
AND SHANTABEN NAGINDAS KHANDWALA COLLEGE OF SCIENCE

(Re-accredited (4<sup>th</sup> cycle) by NAAC with 'A' Grade)

ISO 9001 : 2015 Certified

Educational Excellence Award By Indus Foundation, U.S.A.

IMC Ramkrishna Bajaj National Quality Commendation Certificate

## Attainment Level of all Programmes

2021-22

*M. Datta.*

Prof. Dr. MOUSHUMI DATTA

PRINCIPAL





Nagindas Khandwala College (Autonomous)

## **OBE DESIGN**

### **ATTAINMENT LEVELS**

#### **ALL COURSES-2021-22**

##### **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 is contributing?" So that one can design the learning experiences, select teaching method and design the tool for assessment. Hence, establishing the Course-PO matrix is an 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 calculate the

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**NAGINDAS KHANDWALA COLLEGE OF COMMERCE  
ARTS & MANAGEMENT STUDIES AND SHANTABEN  
NAGINDAS KHANDWALA COLLEGE OF SCIENCE  
(AUTONOMOUS)**

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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.

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

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 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 Master of Commerce is provided below.

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

MALAD (W), MUMBAI - 400 064.



**Bachelor of Commerce(B.Com.)**  
**Table 1.0:PO& CO Mapping Table- B.Com.**  
**Academic Year 2021-22**

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	BUSINESS COMMUNICATION – I	2011UCBC					*	
	ENVIRONMENTAL STUDIES – I	2012UCES					*	
	FOUNDATION COURSE – I	2113UCFC	*				*	
	INTRODUCTION TO BUSINESS	2014UCCM	*					*
	ACCOUNTANCY & FINANCIAL MANAGEMENT-I	2015UCAF	*		*	*	*	*
	BUSINESS ECONOMICS – I	2016UCBE	*				*	
	MATHEMATICAL AND STATISTICAL TECHNIQUES –I	2017UCMS				*		
II	BUSINESS COMMUNICATION – II	2021UCBC					*	
	ENVIRONMENTAL STUDIES – II	2022UCES					*	
	FOUNDATION COURSE – II	2123UCFC	*				*	
	SERVICE SECTOR	2024UCOM	*					*
	ACCOUNTANCY & FINANCIAL MANAGEMENT-II	2025UCAF	*		*	*	*	
	BUSINESS ECONOMICS – II	2026UCBE	*				*	
	MATHEMATICAL AND STATISTICAL TECHNIQUES –II	2027UCMS				*		
III	FUNDAMENTALS OF ADVERTISING	2131UCAD	*				*	*
	FOUNDATION COURSE - III (CONTEMPORARY INDIA : 1947-2000 A.D)	2032UCFC					*	
	COMMERCE - III (MANAGEMENT : PRINCIPLES AND FUNCTIONS)	2133U2COM	*				*	*

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



	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	2141UCAD	*				*	*
	FOUNDATION COURSE – IV	2142UCFC					*	
	COMMERCE- IV (MANAGEMENT: PRODUCTION AND FINANCE)	2143UCOM	*				*	
	ACCOUNTANCY AND FINANCIAL MANAGEMENT- IV	2144UCAF	*		*			
	FINANCIAL ACCOUNTING AND AUDITING -VI - COST ACCOUNTING	2145UCCA	*					*
	BUSINESS ECONOMICS – IV	2146UCBE	*					
	BUSINESS LAW – II	2147UCBL	*				*	*
V	COMMERCE - V (MARKETING)	1853UCOM	*				*	*
	BUSINESS ECONOMICS - V (INDIAN FINANCIAL SYSTEM)	1854UCBE	*					
	DIRECT AND INDIRECT TAXES - PAPER I - DIRECT TAX	1855UCDT	*					*
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VII - FINANCIAL ACCOUNTING	1851UCFA	*		*			
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VIII -	1852UCMA	*		*		*	*

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

	(INTRODUCTION TO MANAGEMENT ACCOUNTING)							
	PSYCHOLOGY OF HUMAN BEHAVIOUR AT WORK	1856UCPS					*	
	EXPORT MARKETING: FUNDAMENTALS	1856UCEM	*				*	
	COMPUTER SYSTEMS AND APPLICATIONS	1856UCCS		*		*		
	ELEMENTS OF OPERATIONS RESEARCH	1856UCOR		*		*		
IV	COMMERCE- VI - HUMAN RESOURCE MANAGEMENT	1863UCOM	*				*	
	BUSINESS ECONOMICS- VI	1864UCBE	*					
	DIRECT AND INDIRECT TAXES- PAPER II -INDIRECT TAX	1865UCDT	*					*
	FINANCIAL ACCOUNTING AND AUDITING PAPER- IX - FINANCIAL ACCOUNTING	1861UCFA	*		*			*
	FINANCIAL ACCOUNTING AND AUDITING PAPER- X –AUDITING	1862UCAU	*				*	
	PSYCHOLOGY OF HUMAN BEHAVIOR AT WORK	1866UCPS					*	
	EXPORT MARKETING: PROCESS AND PROCEDURES	1866UCEM	*				*	
	COMPUTER SYSTEMS AND APPLICATIONS	1866UCCS		*		*		
	ELEMENTS OF OPERATIONS RESEARCH	1866UCOR		*		*		

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE  
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### The Results of CO Attainment:

The Results of CO attainment are provided below in table 1.1

FOR EXAMPLE: COURSE CODE/TITLE: SEM III/1831UCAD /advertising

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: 33

% Students score more than 33 is 337/622 i.e. 55.79% i.e. Level-2

Average Marks in Internal examination= 22

% Students score more than 17 is 369/622= 59.32%, i.e. Level-2

$$A(\text{CO}) 1831\text{UCAD} = 75\% (2) + 25\% (2) = 1.5 + 0.5 = 2.0$$

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. 1.1: CO Attainment Level -Bachelor of Commerce (B.Com.)-  
Academic Year 2021-22**

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	BUSINESS COMMUNICATION – I	2011UCBC	3	2	Fully Attained	NA
	ENVIRONMENTAL STUDIES – I	2012UCES	3.4	2	Fully Attained	NA
	FOUNDATION COURSE – I	2113UCFC	3.4	2	Fully Attained	NA
	INTRODUCTION TO BUSINESS	2014UCCM	3.4	2	Fully Attained	NA

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**PRINCIPAL**

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



	ACCOUNTANCY & FINANCIAL MANAGEMENT-I	2015UCAF	3	2	Fully Attained	NA
	BUSINESS ECONOMICS – I	2016UCBE	3	2	Fully Attained	NA
	MATHEMATICAL AND STATISTICAL TECHNIQUES –I	2017UCMS	2.8	2	Fully Attained	NA
II	BUSINESS COMMUNICATION – II	2021UCBC	2	2	Fully Attained	NA
	ENVIRONMENTAL STUDIES – II	2022UCES	3.4	2	Fully Attained	NA
	FOUNDATION COURSE – II	2123UCFC	3.4	2	Fully Attained	NA
	SERVICE SECTOR	2024UCOM	3.4	2	Fully Attained	NA
	ACCOUNTANCY & FINANCIAL MANAGEMENT-II	2025UCAF	2.4	2	Fully Attained	NA
	BUSINESS ECONOMICS – II	2026UCBE	2.4	2	Fully Attained	NA
	MATHEMATICAL AND STATISTICAL TECHNIQUES –II	2027UCMS	2.8	2	Fully Attained	NA
III	FUNDAMENTALS OF ADVERTISING	2131UCAD	2	2	Fully Attained	NA
	FOUNDATION COURSE - III (CONTEMPORARY INDIA : 1947-2000 A.D)	2032UCFC	4	2	Fully Attained	NA
	COMMERCE - III (MANAGEMENT : PRINCIPLES AND FUNCTIONS)	2133U2COM	3.4	2	Fully Attained	NA
	ACCOUNTANCY AND FINANCIAL MANAGEMENT - III	2134UCAF	3	2	Fully Attained	NA

*M. Satta.*

PRINCIPAL

NAGINDAS KHANDWALA COLLEGE OF COMMERCE  
ARTS & MANAGEMENT STUDIES AND SHANTABEN  
NAGINDAS KHANDWALA COLLEGE OF SCIENCE  
(AUTONOMOUS)

MALAD (W), MUMBAI - 400 064.

	FINANCIAL ACCOUNTING AND AUDITING V - COST ACCOUNTING	2135UCCA	3.4	2	Fully Attained	NA
	BUSINESS ECONOMICS - III	2136UCBE	2.4	2	Fully Attained	NA
	BUSINESS LAW - I	2137UCBL	2.8	2	Fully Attained	NA
IV	ADVERTISING : AGENCY AND MEDIA OPERATIONS	2141UCAD	3.4	2	Fully Attained	NA
	FOUNDATION COURSE - IV	2142UCFC	4	2	Fully Attained	NA
	COMMERCE- IV (MANAGEMENT: PRODUCTION AND FINANCE)	2143UCOM	2.8	2	Fully Attained	NA
	ACCOUNTANCY AND FINANCIAL MANAGEMENT- IV	2144UCAF	2.6	2	Fully Attained	NA
	FINANCIAL ACCOUNTING AND AUDITING -VI - COST ACCOUNTING	2145UCCA	3.4	2	Fully Attained	NA
	BUSINESS ECONOMICS - IV	2146UCBE	3.4	2	Fully Attained	NA
	BUSINESS LAW - II	2147UCBL	4	2	Fully Attained	NA
V	COMMERCE - V (MARKETING)	1853UCOM	2.5	2	Fully Attained	NA
	BUSINESS ECONOMICS - V (INDIAN FINANCIAL SYSTEM)	1854UCBE	3.25	2	Fully Attained	NA
	DIRECT AND INDIRECT TAXES - PAPER I - DIRECT TAX	1855UCDT	2.5	2	Fully Attained	NA
	FINANCIAL	1851UCFA	2.25	2	Fully	NA

*M. Satta.*

**PRINCIPAL**

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

	FINANCIAL ACCOUNTING AND AUDITING V - COST ACCOUNTING	2135UCCA	3.4	2	Fully Attained	NA
	BUSINESS ECONOMICS - III	2136UCBE	2.4	2	Fully Attained	NA
	BUSINESS LAW - I	2137UCBL	2.8	2	Fully Attained	NA
IV	ADVERTISING : AGENCY AND MEDIA OPERATIONS	2141UCAD	3.4	2	Fully Attained	NA
	FOUNDATION COURSE - IV	2142UCFC	4	2	Fully Attained	NA
	COMMERCE- IV (MANAGEMENT: PRODUCTION AND FINANCE)	2143UCOM	2.8	2	Fully Attained	NA
	ACCOUNTANCY AND FINANCIAL MANAGEMENT- IV	2144UCAF	2.6	2	Fully Attained	NA
	FINANCIAL ACCOUNTING AND AUDITING -VI - COST ACCOUNTING	2145UCCA	3.4	2	Fully Attained	NA
	BUSINESS ECONOMICS - IV	2146UCBE	3.4	2	Fully Attained	NA
	BUSINESS LAW - II	2147UCBL	4	2	Fully Attained	NA
V	COMMERCE - V (MARKETING)	1853UCOM	2.5	2	Fully Attained	NA
	BUSINESS ECONOMICS - V (INDIAN FINANCIAL SYSTEM)	1854UCBE	3.25	2	Fully Attained	NA
	DIRECT AND INDIRECT TAXES - PAPER I - DIRECT TAX	1855UCDT	2.5	2	Fully Attained	NA
	FINANCIAL	1851UCFA	2.25	2	Fully	NA

*M. Satta.*

PRINCIPAL

NAGINDAS KHANDWALA COLLEGE OF COMMERCE  
ARTS & MANAGEMENT STUDIES AND SHANTABEN  
NAGINDAS KHANDWALA COLLEGE OF SCIENCE  
(AUTONOMOUS)

MALAD (W), MUMBAI - 400 064.



	ACCOUNTING AND AUDITING PAPER - VII - FINANCIAL ACCOUNTING				Attained	
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VIII - (INTRODUCTION TO MANAGEMENT ACCOUNTING)	1952UCMA	2.5	2	Fully Attained	NA
	PSYCHOLOGY OF HUMAN BEHAVIOUR AT WORK	1856UCPS	2.5	2	Fully Attained	NA
	EXPORT MARKETING: FUNDAMENTALS	1856UCEM	2.5	2	Fully Attained	NA
	COMPUTER SYSTEMS AND APPLICATIONS	1856UCCS	2.25	2	Fully Attained	NA
	ELEMENTS OF OPERATIONS RESEARCH	1856UCOR	2.5	2	Fully Attained	NA
VI	COMMERCE- VI - HUMAN RESOURCE MANAGEMENT	1863UCOM	2.25	2	Fully Attained	NA
	BUSINESS ECONOMICS- VI	1864UCBE	3.5	2	Fully Attained	NA
	DIRECT AND INDIRECT TAXES- PAPER II -INDIRECT TAX	1865UCDT	3	2	Fully Attained	NA
	FINANCIAL ACCOUNTING AND AUDITING PAPER- IX -FINANCIAL ACCOUNTING	1861UCFA	2.5	2	Fully Attained	NA
	FINANCIAL ACCOUNTING AND AUDITING PAPER- X -AUDITING	1862UCAU	3.25	2	Fully Attained	NA
	PSYCHOLOGY OF	1866UCPS	2.25	2	Fully	NA

*M. Satta.*

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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.

	HUMAN BEHAVIOR AT WORK				Attained	
	EXPORT MARKETING: PROCESS AND PROCEDURES	1866UCEM	2.25	2	Fully Attained	NA
	COMPUTER SYSTEMS AND APPLICATIONS	1866UCCS	2.25	2	Fully Attained	NA
	ELEMENTS OF OPERATIONS RESEARCH	1866UCOR	3	2	Fully Attained	NA
Average			2.9	2		
NA: Not applicable as target level is fully attained.						

**Table No. 1.2: Results of CO-PO attainment  
Bachelor of Commerce (B.Com.)**

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
<b>I</b>	BUSINESS COMMUNICATION – I	2011UCBC		3			3	
	ENVIRONMENTAL STUDIES – I	2012UCES					3.4	
	FOUNDATION COURSE – I	2113UCFC	3.4	3.4			3.4	
	INTRODUCTION TO BUSINESS	2014UCCM	3.4					3.4
	ACCOUNTANCY & FINANCIAL MANAGEMENT-I	2015UCAF	3	3	3	3	3	3
	BUSINESS ECONOMICS – I	2016UCBE	3	3			3	
	MATHEMATICAL AND STATISTICAL TECHNIQUES –I	2017UCMS				2.8		
<b>II</b>	BUSINESS COMMUNICATION – II	2021UCBC		2			2	
	ENVIRONMENTAL STUDIES – II	2022UCES					3.4	
	FOUNDATION COURSE – II	2123UCFC	3.4	3.4			3.4	
	SERVICE SECTOR	2024UCOM	3.4					3.4
	ACCOUNTANCY & FINANCIAL MANAGEMENT-II	2025UCAF	2.4	2.4	2.4	2.4	2.4	

*M. Salta.*

**PRINCIPAL**

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



	BUSINESS ECONOMICS – II	2026UCBE	2.4	2.4			2.4	
	MATHEMATICAL AND STATISTICAL TECHNIQUES –II	2027UCMS				2.8		
III	FUNDAMENTALS OF ADVERTISING	2131UCAD	2				2	2
	FOUNDATION COURSE - III (CONTEMPORARY INDIA : 1947-2000 A.D)	2032UCFC		4			4	
	COMMERCE - III (MANAGEMENT : PRINCIPLES AND FUNCTIONS)	2133U2COM	3.4				3.4	3.4
	ACCOUNTANCY AND FINANCIAL MANAGEMENT - III	2134UCAF	3		3			
	FINANCIAL ACCOUNTING AND AUDITING V - COST ACCOUNTING	2135UCCA	3.4		3.4			3.4
	BUSINESS ECONOMICS - III	2136UCBE	2.4					
	BUSINESS LAW – I	2137UCBL	2.8				2.8	2.8
IV	ADVERTISING : AGENCY AND MEDIA OPERATIONS	2141UCAD	3.4				3.4	3.4
	FOUNDATION COURSE – IV	2142UCFC		4			4	
	COMMERCE- IV (MANAGEMENT: PRODUCTION AND FINANCE)	2143UCOM	2.8				2.8	
	ACCOUNTANCY AND FINANCIAL MANAGEMENT- IV	2144UCAF	2.6		2.6			
	FINANCIAL ACCOUNTING AND AUDITING -VI - COST ACCOUNTING	2145UCCA	3.4					3.4
	BUSINESS ECONOMICS – IV	2146UCBE	3.4					
	BUSINESS LAW – II	2147UCBL	4				4	4
V	COMMERCE - V (MARKETING)	1853UCOM	2.5				2.5	2.5
	BUSINESS ECONOMICS - V (INDIAN FINANCIAL SYSTEM)	1854UCBE	3.25					
	DIRECT AND INDIRECT TAXES - PAPER I - DIRECT TAX	1855UCDT	2.5					2.5

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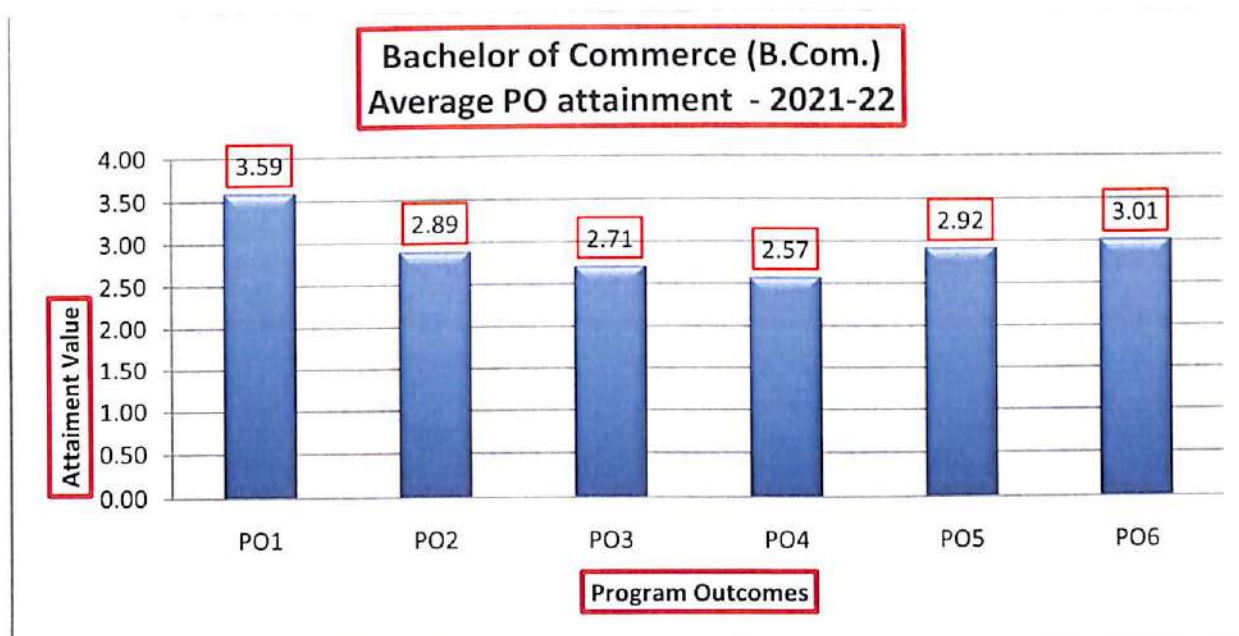
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MALAD (W), MUMBAI - 400 064.



	FINANCIAL ACCOUNTING AND AUDITING PAPER - VII - FINANCIAL ACCOUNTING	1851UCFA	2.25		2.25			
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VIII - (INTRODUCTION TO MANAGEMENT ACCOUNTING)	1952UCMA	2.5	2.5	2.5		2.5	2.5
	PSYCHOLOGY OF HUMAN BEHAVIOUR AT WORK	1856UCPS					2.5	
	EXPORT MARKETING: FUNDAMENTALS	1856UCEM	2.5				2.5	
	COMPUTER SYSTEMS AND APPLICATIONS	1856UCCS		2.25		2.25		
	ELEMENTS OF OPERATIONS RESEARCH	1856UCOR		2.5		2.5		
VI	COMMERCE- VI - HUMAN RESOURCE MANAGEMENT	1863UCOM	2.25				2.25	
	BUSINESS ECONOMICS- VI	1864UCBE	3.5					
	DIRECT AND INDIRECT TAXES- PAPER II - INDIRECT TAX	1865UCDT	3					3
	FINANCIAL ACCOUNTING AND AUDITING PAPER- IX -FINANCIAL ACCOUNTING	1861UCFA	2.5		2.5			2.5
	FINANCIAL ACCOUNTING AND AUDITING PAPER- X -AUDITING	1862UCAU	3.25	3.25			3.25	
	PSYCHOLOGY OF HUMAN BEHAVIOR AT WORK	1866UCPS					2.25	
	EXPORT MARKETING: PROCESS AND PROCEDURES	1866UCEM	2.25				2.25	
	COMPUTER SYSTEMS AND APPLICATIONS	1866UCCS		2.25		2.25		
	ELEMENTS OF OPERATIONS RESEARCH	1866UCOR		3		3		
			3.59	2.89	2.71	2.57	2.92	3.01

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

#### The Results of PO Attainment:

The Results of PO attainment are provided in table no. 1.3.

#### For example: PO of B.Com

##### 1. For Academic Year 2021-22

(Note: Refer first row table No. 1.3 below which describes CO the attainment level and PO attainment level)

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
NA: Not applicable as target level is fully attained.				

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### 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.

Following table no.1.3 provides semester wise CO attainment and PO attainment levels of 10 undergraduate programs for academic years 2021-22.

**Table No.1.3**  
**Attainment level \_Undergraduate programs academic year 2021-22**

Academic Year- 2021-22	Attainment level _Undergraduate programs							Program Attainment
	First Year		Second Year		Third Year		Average	Direct+ Indirect
	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	Direct	
B Com	3.14	2.83	2.86	3.37	2.53	2.69	2.90	3.12
B A	2.97	2.46	2.5	2.75	2.49	2.76	2.66	2.92
BAF	2.97	2.77	3.09	3.06	2.57	2.92	2.90	3.12
BAMMC	2.6	2.43	2.93	2.8	2.61	3.21	2.76	3.01
BBI	2.71	2.77	3.23	2.57	3.29	2.92	2.92	3.13
BFM	3.51	2.86	2.74	3.17	3.29	3	3.10	3.28
BMS	3.17	2.57	3.26	3.11	3.33	3.35	3.12	3.30
CS	2.4	2.94	3.09	3.25	3.15	2.81	2.94	3.15
IT	2.38	2.9	3.01	3.02	2.82	2.58	2.79	3.03
BMS(SM)	2.13	2.1	2.43	2.09	2.07	2.36	2.20	2.56
BA HON(APPARELDESIGN)	2.72	2.83	2.68	2.52	2.5	2.85	2.68	2.95
BCOM HON (INT ACCOUNTING)	2.73	2.34	3.72	2	4	2	2.80	3.04

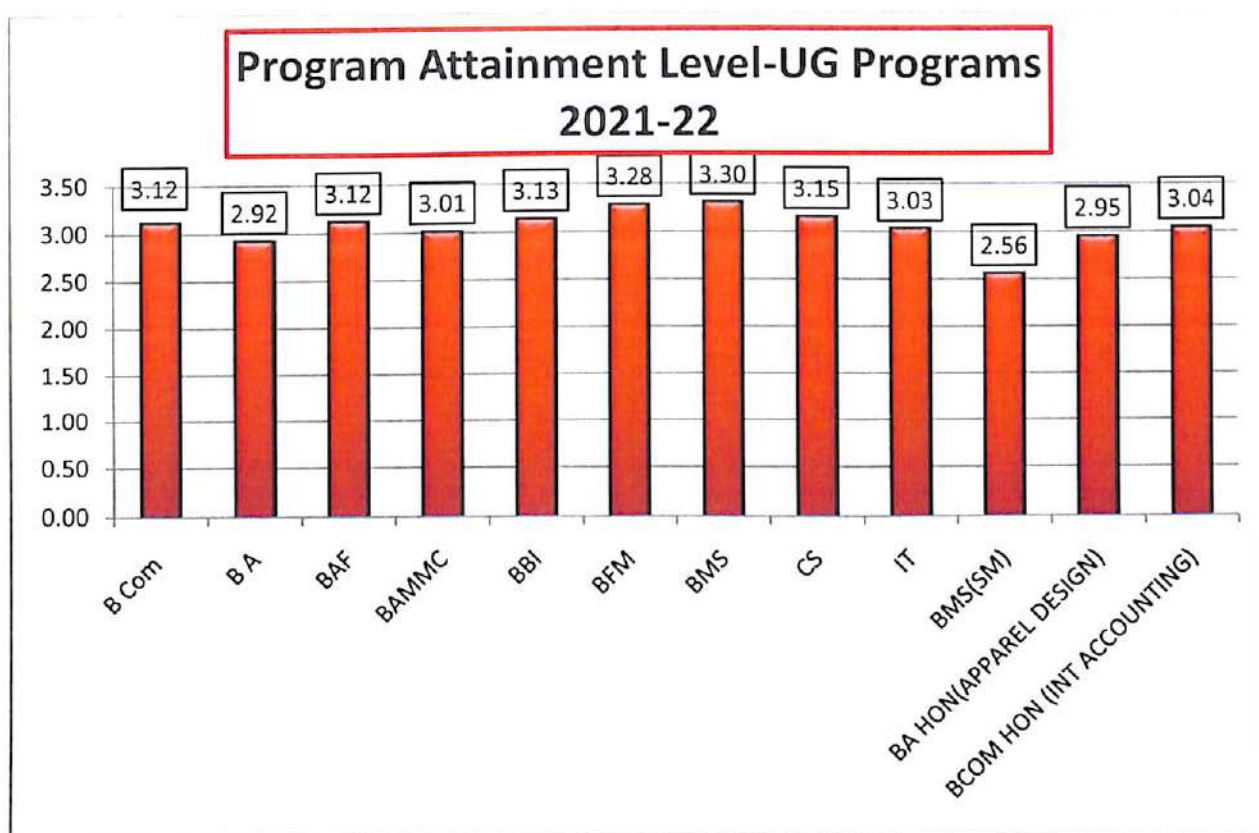
Now we provide graphical representation of PO attainment levels of UG Program for academic year 2021-22.

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It is observed that program attainment value for all programs 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 three academic years.

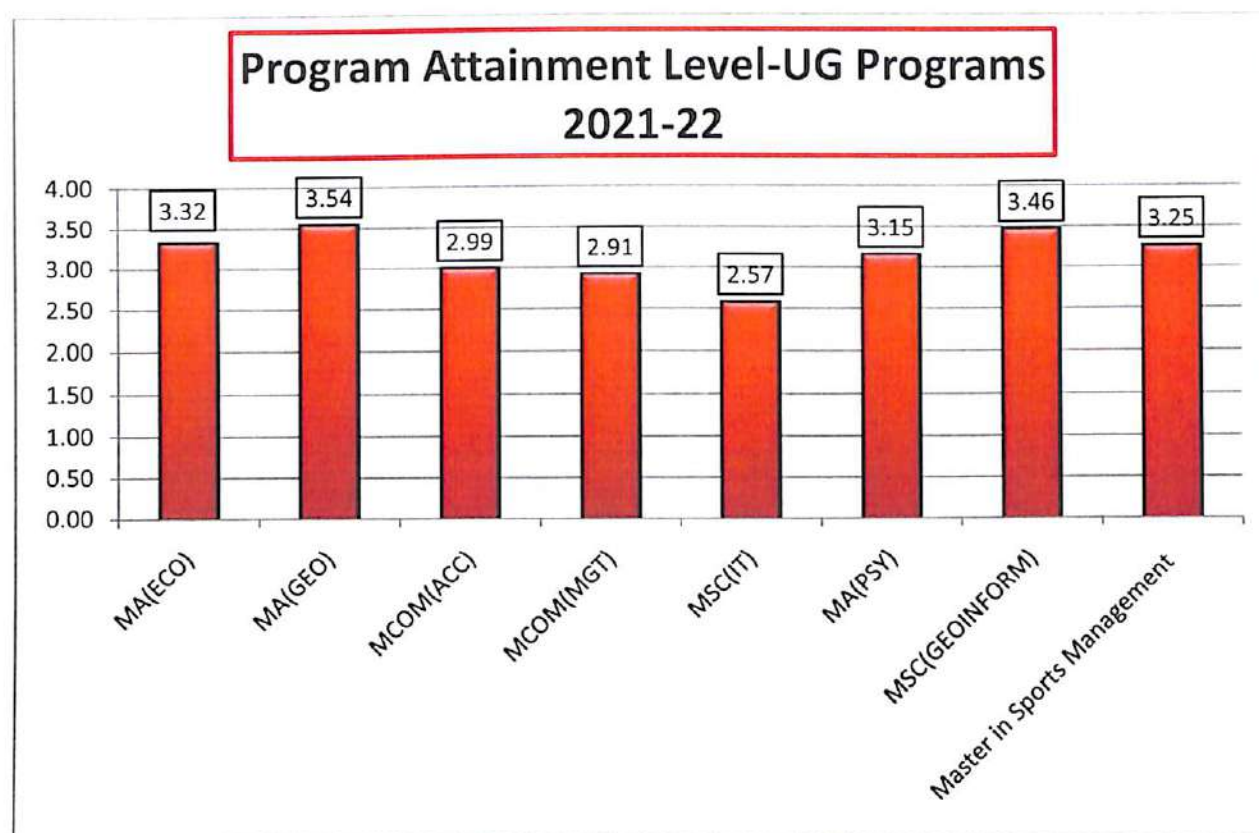
**Table No.1.4**  
**Attainment level - Postgraduate programs academic year 2021-22**

Academic Year-	Attainment level - Postgraduate courses					Program Attainment
	First Year		Second Year		Average	
2020-21	SEM 1	SEM 2	SEM 3	SEM 4		Direct + indirect
MA(ECO)	3.6	2.4	2.9	3.7	3.15	3.32
MA(GEO)	2.77	3.6	3.68	3.67	3.43	3.54
MCOM(ACC)	2.75	2.7	2.85	2.65	2.738	2.99
MCOM(MGT)	2.4	2.25	3.05	2.45	2.633	2.91
MSC(IT)	2.81	2.21	1.96	1.87	2.213	2.57
MA(PHY)	3.84	3.32	2	2.6	2.94	3.15
MSC(GEOINFORM)	4.5	3.5	3.08	2.2	3.32	3.46
Master in Sports Management	3.1	3	3.17	3	3.07	3.25

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Now we provide graphical representation of PO attainment levels of PG Program for academic year 2021-22.



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 A

### Bachelor of Arts(BA):

Table No. A.1: PO CO Mapping Matrix: Bachelor of Arts(BA)

Academic Year - 2021-22

Sem ester	Course	Course Code	PROGRAMME OUTCOME										PROGRAMME SPECIFIC OUTCOME (PSYCHOLOGY)						PROGRAMME SPECIFIC OUTCOME (ECONOMICS)						PROGRAMME SPECIFIC OUTCOME (GEOGRAPHY)					
			P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
			O	O	O	O	O	O	O	O	O	O	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
			1	2	3	4	5	6	7	8	9		1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
I	COMMUNICATION SKILLS IN ENGLISH-I	1611UACS		*	*	*	*				*																			
	FOUNDATION COURSE - I	1612UAF					*	*	*	*	*																			
	FUNDAMENTALS OF PSYCHOLOGY	1614UAPS	*	*	*	*	*	*	*	*	*	*																		
	GEOMORPHOLOGY	1613UAGE	*	*	*	*	*	*	*	*	*	*													*	*	*	*	*	*
	MICROECONOMICS-I	1615UABE	*	*	*	*	*	*	*	*	*	*							*	*	*	*	*	*	*	*	*	*	*	*
	FRENCH	1616UAF		*	*	*	*	*	*	*	*	*																		
II	HINDI	1616UAH		*	*	*	*	*	*	*	*	*																		
	COMMUNICATION SKILLS IN ENGLISH-II	1621UACS		*	*	*	*	*	*	*	*	*																		
	FOUNDATION COURSE - II	1622UAF					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	HUMAN	1623UAGE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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	GEOGRAPHY																				*	*				
	FUNDAMENTALS OF PSYCHOLOGY	1624UAPS	*		*	*		*			*	*		*												
	MACROECONOMICS-I	1625UABE	*		*	*	*		*	*	*						*	*								
	HINDI	1626UAHN		*	*	*																				
	FRENCH	1626UAF		*	*																					
III	FOUNDATION COURSE – III(CONTEMPORARY INDIA : 1947-2000 A.D)	1731UAFC						*	*	*	*															
	FUNDAMENTALS OF ADVERTISING	1738UADD			*	*																				
	ECONOMICS - II (MICRO ECONOMICS - II)	1732UAEC	*		*	*	*									*	*									
	ECONOMICS - III (INDIAN ECONOMY : CONTEMPORARY CONCERNS)	1733UAEC	*		*	*		*	*	*	*							*	*	*	*					
	GEOGRAPHY - II (AN INTRODUCTION TO CLIMATOLOGY)	1734UAGE	*		*	*		*			*								*			*	*			
	GEOGRAPHY - III (PHYSICAL GEOGRAPHY OF INDIA)	1735UAGE	*		*	*		*		*	*								*			*	*			
	PSYCHOLOGY - II (SOCIAL PSYCHOLOGY)	1736UAPS	*		*	*		*		*	*	*	*	*	*	*	*									
	PSYCHOLOGY – III (DEVELOPMENTAL PSYCHOLOGY)	1737UAPS	*		*	*		*		*	*	*	*	*	*	*	*									
IV	FOUNDATION	1741UAFC						*	*	*	*															

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### PRINCIPAL





	(GEOGRAPHY OF DISASTER MITIGATION AND MANAGEMENT)	M																			*	*		*	*	
	GEOGRAPHY-IX (GEOSPATIAL TECHNOLOGY)	2056UAGT	*		*	*	*	*	*	*											*	*	*	*	*	*
G-VI	GEOGRAPHY- IV (ENVIRONMENTAL - GEOGRAPHY)	2061UAEG	*		*			*		*	*									*	*					
	GEOGRAPHY- V (GEOGRAPHY OF TOURISM AND RECREATION)	2062UATR	*		*	*		*	*	*	*									*						
	GEOGRAPHY- VI (TOOLS AND TECHNIQUES IN GEOGRAPHY FOR SPATIAL ANALYSIS- II)	2063UASA	*		*	*	*	*		*										*	*	*	*	*	*	
	GEOGRAPHY- VII (ECONOMIC GEOGRAPHY)	2064UAEG	*		*	*		*	*	*	*									*				*		
	GEOGRAPHY- VIII (SOCIAL GEOGRAPHY)	2065UASG	*		*	*		*	*	*	*									*			*	*		
	GEOGRAPHY- IX (RESEARCH METHODOLOGY IN GEOGRAPHY)	2061UAPJ	*		*	*	*			*										*	*	*	*	*	*	
P-V	PSYCHOLOGY-IV (PSYCHOLOGICAL TESTING AND STATISTICS)	1851UATS	*		*	*	*	*	*	*				*	*											
	PSYCHOLOGY-V (ABNORMAL PSYCHOLOGY)	1852UAAB	*		*	*		*		*	*	*	*	*	*	*										
	PSYCHOLOGY-	1853UAIO	*		*	*			*	*					*											

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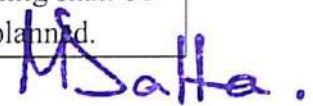
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**Table No. A.2: CO Attainment Level -Bachelor of Arts (B.A.)-  
Academic Year 2021-22**

Semester	Course	Course code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	COMMUNICATION SKILLS IN ENGLISH-I	2011UACS	3	2	Fully Attained	NA
	FOUNDATION COURSE – I	2012UAFC	3.4	2	Fully Attained	NA
	FUNDAMENTALS OF PSYCHOLOGY	2014UAPS	3	2	Fully Attained	NA
	GEOMORPHOLOGY	2013UAGE	2.4	2	Fully Attained	NA
	MICROECONOMICS- I	2015UAEC	3	2	Fully Attained	NA
	FRENCH	2016UAFR	2.6	2	Fully Attained	NA
	HINDI	2016UAHN	3.4	2	Fully Attained	NA
II	COMMUNICATION SKILLS IN ENGLISH- II	2021UACS	2	2	Fully Attained	NA
	FOUNDATION COURSE – II	2022UAFC	3	2	Fully Attained	NA
	HUMAN GEOGRAPHY	2023UAGE	2.6	2	Fully Attained	NA
	FUNDAMENTALS OF PSYCHOLOGY	2024UAPS	2.4	2	Fully Attained	NA
	MACROECONOMICS- I	2025UAEC	3	2	Fully Attained	NA
	HINDI	2026UAHN	2.4	2	Fully Attained	NA
	FRENCH	2026UAFR	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.

  
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III	FOUNDATION COURSE – III (CONTEMPORARY INDIA : 1947-2000 A.D)	2031UAFC	3	2	Fully Attained	NA
	FUNDAMENTALS OF ADVERTISING	2038UAAD	2.4	2	Fully Attained	NA
	ECONOMICS - II (MICRO ECONOMICS - II)	1732UAEC	2.4	2	Fully Attained	NA
	ECONOMICS - III (INDIAN ECONOMY : CONTEMPORARY CONCERNS)	1733UAEC	3	2	Fully Attained	NA
	GEOGRAPHY - II (AN INTRODUCTION TO CLIMATOLOGY)	1734UAGE	2	2	Fully Attained	NA
	GEOGRAPHY - III (PHYSICAL GEOGRAPHY OF INDIA)	1735UAGE	3	2	Fully Attained	NA
	PSYCHOLOGY - II (SOCIAL PSYCHOLOGY)	1736UAPS	2.4	2	Fully Attained	NA
	PSYCHOLOGY – III (DEVELOPMENTAL PSYCHOLOGY)	1737UAPS	3	2	Fully Attained	NA
IV	FOUNDATION COURSE -IV	2041UAFC	3.8	2	Fully Attained	NA
	ADVERTISING : AGENCY AND MEDIA OPERATIONS	1748UAAD	2.25	2	Fully Attained	NA
	MACROECONOMICS- II	1842UAEC	2.25	2	Fully Attained	NA
	DEVELOPMENT ISSUES OF MAHARASHTRA'S ECONOMY	1843UAEC	2	2	Fully Attained	NA
	INTRODUCTION TO OCEANOGRAPHY	1944UAGE	2.25	2	Fully Attained	NA
	AGRICULTURAL GEOGRAPHY	1945UAGE	2.25	2	Fully Attained	NA

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	OF INDIA					
	SOCIAL PSYCHOLOGY	1746UAPS	2.25	2	Fully Attained	NA
	DEVELOPMENTAL PSYCHOLOGY	1747UAPS	3	2	Fully Attained	NA
V (Eco)	ECONOMICS-IV (ADVANCED ECONOMIC THEORY-I)	1951UAAET	2.25	2	Fully Attained	NA
	ECONOMICS-V (ECONOMICS OF DEVELOPMENT)	1852UAED	2.25	2	Fully Attained	NA
	ECONOMICS-VI (INDIAN FINANCIAL SYSTEM I)	1953UAIFS	2.25	2	Fully Attained	NA
	ECONOMICS-VII (RESEARCH METHODOLOGY)	1854UARM	2	2	Fully Attained	NA
	ECONOMICS-VIII (PUBLIC ECONOMICS)	1955UAPE	2.25	2	Fully Attained	NA
	ECONOMICS-IX (HISTORY OF ECONOMIC THOUGHT)	1856UAHET	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
VI (Eco)	ECONOMICS- IV (ADVANCED ECONOMIC THEORY – II)	1961UAAET	3	2	Fully Attained	NA
	ECONOMICS- V (ECONOMICS OF DEVELOPMENT – II)	1962UAED	3.25	2	Fully Attained	NA
	ECONOMICS- VI (INDIAN FINANCIAL SYSTEM – II)	1963UAIFS	3.25	2	Fully Attained	NA
	ECONOMICS- VII (RESEARCH METHODOLOGY – II)	1964UARM	3	2	Fully Attained	NA
	ECONOMICS- VIII	1965UAIE	3.5	2	Fully Attained	NA

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	(INTERNATIONAL ECONOMICS)					
	ECONOMICS- IX (INDIAN ECONOMIC THOUGHT)	1966UAIET	2.25	2	Fully Attained	NA
V (Geo)	GEOGRAPHY-IV (GEOGRAPHY OF SETTLEMENTS)	1851UAGS	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	GEOGRAPHY-V (POPULATION GEOGRAPHY)	1852UAPG	2.25	2	Fully Attained	NA
	GEOGRAPHY-VI (TOOLS AND TECHNIQUES IN GEOGRAPHY FOR SPATIAL ANALYSIS - I)	1853UASA	4.25	2	Fully Attained	NA
	GEOGRAPHY-VII (REGIONAL PLANNING AND DEVELOPMENT)	1854UAPD	2.25	2	Fully Attained	NA
	GEOGRAPHY-VIII (GEOGRAPHY OF DISASTER MITIGATION AND MANAGEMENT)	1855UADM	3.25	2	Fully Attained	NA
	GEOGRAPHY-IX (GEOSPATIAL TECHNOLOGY)	1856UAGT	2.5	2	Fully Attained	NA
VI (Geo)	GEOGRAPHY- IV (ENVIRONMENTAL - GEOGRAPHY)	1861UAEG	3.25	2	Fully Attained	NA
	GEOGRAPHY- V (GEOGRAPHY OF TOURISM AND RECREATION)	1862UATR	2.25	2	Fully Attained	NA

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	GEOGRAPHY- VI (TOOLS AND TECHNIQUES IN GEOGRAPHY FOR SPATIAL ANALYSIS- II)	1863UASA	2.25	2	Fully Attained	NA
	GEOGRAPHY- VII (ECONOMIC GEOGRAPHY)	1864UAEG	2.75	2	Fully Attained	NA
	GEOGRAPHY- VIII (SOCIAL GEOGRAPHY)	1865UASG	2.75	2	Fully Attained	NA
	GEOGRAPHY- IX (RESEARCH METHODOLOGY IN GEOGRAPHY)	1866UAPJ	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
V (Psy)	PSYCHOLOGY-IV (PSYCHOLOGICAL TESTING AND STATISTICS)	1851UATS	2.25	2	Fully Attained	NA
	PSYCHOLOGY-V (ABNORMAL PSYCHOLOGY)	1852UAAB	2.25	2	Fully Attained	NA
	PSYCHOLOGY-VI (INDUSTRIAL PSYCHOLOGY)	1853UAIP	3.25	2	Fully Attained	NA
	PSYCHOLOGY-VII (COGNITIVE PSYCHOLOGY)	1854UACO	3.25	2	Fully Attained	NA
	PSYCHOLOGY-VIII (PRACTICALS IN COGNITIVE PROCESSES AND PSYCHOLOGICAL TESTING)	1855UAPT	3.25	2	Fully Attained	NA
	PSYCHOLOGY-IX (COUNSELING PSYCHOLOGY)	1856UACP	2.75	2	Fully Attained	NA
VI (Psy)	PSYCHOLOGY- IV (PSYCHOLOGICAL TESTING	1861UATS	3	2	Fully Attained	NA

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	AND STATISTICS)					
	PSYCHOLOGY- V (ABNORMAL PSYCHOLOGY)	1862UAAS	2.25	2	Fully Attained	NA
	PSYCHOLOGY- VI (INDUSTRIAL PSYCHOLOGY)	1863UAIP	3.25	2	Fully Attained	NA
	PSYCHOLOGY- VII (COGNITIVE PSYCHOLOGY)	1864UACO	3	2	Fully Attained	NA
	PSYCHOLOGY- VIII (PRACTICALS IN COGNITIVE PROCESSES AND PSYCHOLOGICAL TESTING)	1865UAPT	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	PSYCHOLOGY- IX (COUNSELING PSYCHOLOGY)	1866UACP	2.25	2	Fully Attained	NA
		Average	2.63	2		
NA: Not Applicable as target level is fully attained.						

**Table No.A.2a: PO Attainment Level-BA**  
**Academic Year 2021-22**


Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	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.

  
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**Table No. A.3: Results of CO-PO attainment-Bachelor of Arts(BA)-  
Academic Year 2021-22**

Academic Year 2021-22																													
Semester	Course	Course Code	Programme Outcome									Programme Specific Outcome (Psychology)						Programme Specific Outcome (Economics)						Programme Specific Outcome (Geography)					
			P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P S O 1	P S O 2	P S O 3	P S O 4	P S O 5	P S O 6	P S O 1	P S O 2	P S O 3	P S O 4	P S O 5	P S O 6	P S O 1	P S O 2	P S O 3	P S O 4	P S O 5	P S O 6
I	COMMUNICATIVE SKILLS IN ENGLISH-I	2011UACS		3	3	3	3				3																		
	FOUNDATION COURSE – I	2012UAFC						3 4	3 4	3 4	3 4																		
	FUNDAMENTALS OF PSYCHOLOGY	2014UAPS	3		3	3	3	3			3	3																	
	GEOMORPHOLOGY	2013UAGE	2 4		2 4	2 4					2 4														2 4			2 4	2 4
	MICROECONOMICS- I	2015UAEC	3		3	3	3											3	3										
	FRENCH	2016UAFR		2 6	2 6	2 6																							
	HINDI	2016UAHN		3 4	3 4																								
II	COMMUNICATIVE SKILLS IN ENGLISH- II	2021UACS		2	2	2	2				2																		
	FOUNDATION	2022UAFC						3	3	3	3																		

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IV	GEOGRAPHY - II (AN INTRODUCTION TO CLIMATOLOGY)	1734UAGE	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5											2 . 2 5			2 . 2 5	2 . 2 5
	GEOGRAPHY - III (PHYSICAL GEOGRAPHY OF INDIA)	1735UAGE	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5											2 . 2 5			2 . 2 5	2 . 2 5
	PSYCHOLOGY - II (SOCIAL PSYCHOLOGY)	1736UAPS	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5										
	PSYCHOLOGY - III (DEVELOPMENTAL PSYCHOLOGY)	1737UAPS																					
	FOUNDATION COURSE -IV	2041UAFC					3 . 8	3 . 8	3 . 8	3 . 8													
	ADVERTISING : AGENCY AND MEDIA OPERATIONS	1748UAAD			2 . 2 5	2 . 2 5																	
	MACROECONOMICS- II	1842UAEC	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5										2 . 2 5				
	DEVELOPMENT ISSUES OF MAHARASHTRA'	1843UAEC	2	2	2				2										2			2	2

  
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E-VI	ECONOMICS-VIII (PUBLIC ECONOMICS)	1955UAPE	2 . 2 5	2 . 2 5	2 . 2 5		2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5						2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5	2 . 2 5								
	ECONOMICS-IX (HISTORY OF ECONOMIC THOUGHT)	1856UAHE T	1 . 7 5	1 . 7 5	1 . 7 5	-	1 . 7 5	1 . 7 5	1 . 7 5	1 . 7 5						1 . 7 5	1 . 7 5	1 . 7 5											
	ECONOMICS- IV (ADVANCED ECONOMIC THEORY – II)	1961UAAE T	3	3	3		3	3	3	3						3	3												
	ECONOMICS- V (ECONOMICS OF DEVELOPMENT – II)	1962UAED	3 . 2 5	3 . 2 5	3 . 2 5		3 . 2 5	3 . 2 5	3 . 2 5	3 . 2 5						3 . 2 5	3 . 2 5	3 . 2 5	3 . 2 5	3 . 2 5	3 . 2 5								
	ECONOMICS- VI (INDIAN FINANCIAL SYSTEM – II)	1963UAIFS	3 . 2 5	3 . 2 5	3 . 2 5		3 . 2 5	3 . 2 5	3 . 2 5	3 . 2 5						3 . 2 5	3 . 2 5	3 . 2 5	3 . 2 5	3 . 2 5	3 . 2 5								
	ECONOMICS- VII (RESEARCH METHODOLOGY – II)	1964UARM	3	3	3	3	3	3	3	3							3												
	ECONOMICS- VIII (INTERNATIONA L ECONOMICS)	1965UAIE	3 . 5	3 . 5	3 . 5		3 . 5	3 . 5	3 . 5	3 . 5						3 . 5	3 . 5	3 . 5	3 . 5	3 . 5	3 . 5								
	ECONOMICS- IX (INDIAN ECONOMIC	1966UAIET	2 . 2	2 . 2	2 . 2	-	2 . 2	2 . 2	2 . 2	2 . 2						2 . 2	2 . 2	2 . 2	2 . 2	2 . 2	2 . 2								

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GEOGRAPHY)			5		5			5		5	5										2			5	5	
GEOGRAPHY- V (GEOGRAPHY OF TOURISM AND RECREATION)		1862UATR	2		2	2		2	2	2	2										2					
			.		.	.		.	.	.	.										.					
			2		2	2		2	2	2	2										2					
			5		5	5		5	5	5	5										5					
GEOGRAPHY- VI (TOOLS AND TECHNIQUES IN GEOGRAPHY FOR SPATIAL ANALYSIS- II)		1863UASA	2		2	2	2	2			2										2	2	2	2	2	2
			.		.	.	.	.			.										.	.	.	.	.	.
			2		2	2	2	2			2										2	2	2	2	2	2
			5		5	5	5	5			5										5	5	5	5	5	5
GEOGRAPHY- VII (ECONOMIC GEOGRAPHY)		1864UAEG	2		2	2		2	2	2	2										2				2	
			.		.	.		.	.	.	.										.				.	
			7		7	7		7	7	7	7										7				7	
			5		5	5		5	5	5	5										5				5	
GEOGRAPHY- VIII (SOCIAL GEOGRAPHY)		1865UASG	2		2	2		2	2	2	2										2				2	2
			.		.	.		.	.	.	.										.				.	.
			7		7	7		7	7	7	7										7				7	7
			5		5	5		5	5	5	5										5				5	5
GEOGRAPHY- IX (RESEARCH METHODOLOGY IN GEOGRAPHY)		1866UAPJ	1		1	1	1				1										1	1	1	1	1	1
			.		.	.	.				.										.	.	.	.	.	.
			7		7	7	7				7										7	7	7	7	7	7
			5		5	5	5				5										5	5	5	5	5	5
P-V	PSYCHOLOGY-IV (PSYCHOLOGICA L TESTING AND STATISTICS)	1851UATS	2		2	2	2	2	2		2				2	2										
			.		.	.	.	.	.		.				.	.					.	.	.	.	.	.
			2		2	2	2	2	2		2				2	2										
			5		5	5	5	5	5		5				5	5										
	PSYCHOLOGY-V (ABNORMAL	1852UAAB	2		2	2		2			2		2	2	2	2	2									
			.		.	.		.			.															

  
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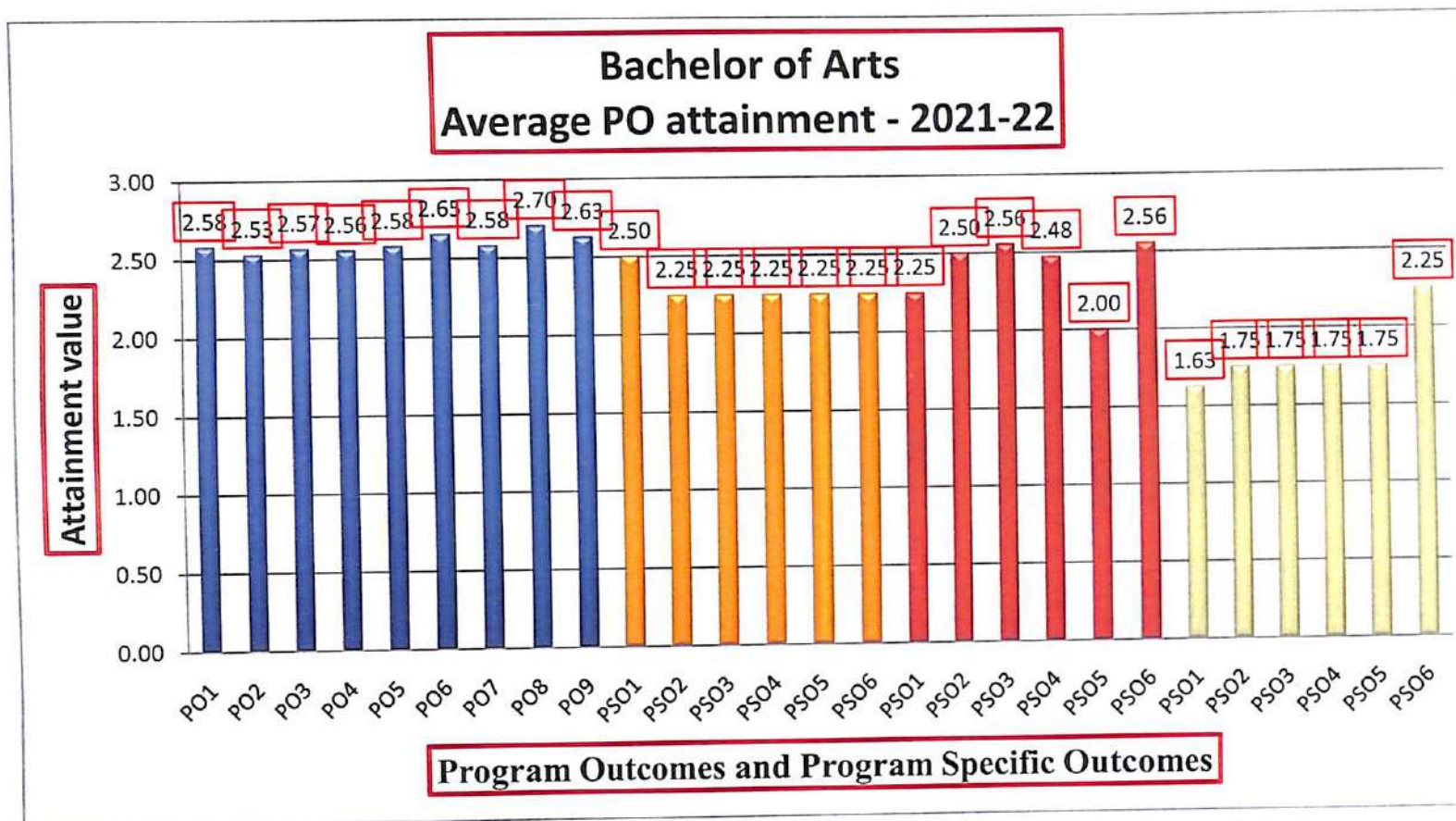


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From above graph, it is observed that average PO attainment value for all but five programspecific outcomes and program specific outcome is greater than 2. It means, PO attainment by corresponding courses is at Very Good (value between 2 and 2.5) level.Five programspecific outcomes value is between 1.5 and 2.0. It means, PO attainment by corresponding courses is at Good.

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## ANNEXURE B

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

Table No. B.1: PO CO Mapping Matrix: B.Com. (Accounting and Finance)(BAF)  
Academic Year – 2021-22

Sem ester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	BUSINESS COMMUNICATION - I	2011UAFBC	*	*		*		*
	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - I	2012UAFIT	*	*	*	*		*
	FOUNDATION COURSE - I	2013UAFFC	*	*		*	*	
	BUSINESS ECONOMICS - I	2014UAFBE	*	*		*	*	
	COMMERCE (BUSINESS ENVIRONMENT) - I	2015UAFCO	*	*		*	*	*
	BUSINESS MATHEMATICS	2016UAFBM	*		*	*		*
	FINANCIAL ACCOUNTING - I (ELEMENTS OF FINANCIAL ACCOUNTING)	2017UAFFA	*		*	*		*
II	BUSINESS COMMUNICATION - II	2021UAFBC	*	*		*		*
	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - II	2022UAFIT	*	*	*	*		*
	FOUNDATION COURSE - II	2123UAFFC	*	*		*	*	
	AUDITING - I (INTRODUCTION AND PLANNING)	2024UAFAD	*	*	*	*	*	*

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	BUSINESS LAW - I	2025UAFBL	*	*	*	*	*	
	FINANCIAL MANAGEMENT - I	2026UAFFM	*	*	*	*		*
	FINANCIAL ACCOUNTING - II (SPECIAL ACCOUNTING AREAS)	2027UAFFA	*		*	*		*
III	BUSINESS ECONOMICS - II	2131UAFBE	*	*		*	*	
	FOUNDATION COURSE IN MANAGEMENT - III (INTRODUCTION TO MANAGEMENT)	2132UAFFC	*	*		*	*	*
	TAXATION - I (INDIRECT TAXES - I)	2133UAFID T	*	*	*	*	*	*
	AUDITING - II (TECHNIQUES OF AUDITING AND AUDIT PROCEDURES)	2134UAFAU	*	*	*	*	*	*
	BUSINESS LAW - II (BUSINESS REGULATORY FRAMEWORK)	2135UAFBL	*	*	*	*	*	
	COST ACCOUNTING - I (INTRODUCTION AND ELEMENTS OF COST)	2136UAFCA	*		*	*		*
	FINANCIAL ACCOUNTING - III (SPECIAL ACCOUNTING AREAS)	2137UAFFA	*		*	*		*
IV	RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE	2141UAFRM	*	*		*	*	*
	FOUNDATION COURSE IN COMMERCE - IV (INDIAN FINANCIAL SYSTEM)	2142UAFFC	*	*	*	*		*
	MANAGEMENT ACCOUNTING	2143UAFAA	*		*	*	*	*

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	(INTRODUCTION TO MANAGEMENT ACCOUNTING)							
	TAXATION - II (INDIRECT TAXES - II)	2144UAFID T	*	*	*	*	*	*
	BUSINESS LAW - III (THE COMPANIES ACT 2013)	2145UAFBL	*	*	*	*	*	
	COST ACCOUNTING - II (METHOD OF COSTING)	2146UAFCA			*	*		*
	FINANCIAL ACCOUNTING - IV (SPECIAL ACCOUNTING AREAS)	2147UAFFA	*		*	*		*
V	FINANCIAL ACCOUNTING - V	1851UAFFA	*		*	*		*
	FINANCIAL ACCOUNTING - VI	2052UAFFA	*		*	*		*
	FINANCIAL MANAGEMENT - II	1953UAFM	*	*	*	*	*	*
	COST ACCOUNTING - III	1854UAFCA	*		*	*		*
	TAXATION - III (DIRECT TAXES - I)	2055UAFDT	*	*	*	*	*	*
	MANAGEMENT - II (MARKETING OF SERVICES)	2056UAFMS	*	*		*	*	*
VI	FINANCIAL ACCOUNTING - VII	2061UAFFA	*		*	*		*
	INTERNSHIP BASED PROJECT WORK	1962UAFIP	*	*	*	*	*	*
	ECONOMICS - III (INDIAN ECONOMY)	1863UAFIE	*	*		*	*	*
	COST ACCOUNTING - IV	1864UAFCA	*		*	*		*
	TAXATION- IV (DIRECT TAXES - II)	2065UAFDT	*	*	*	*	*	*
	INTERNATIONAL FINANCE	1966UAFIF	*	*	*	*		*

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**Table No. B.2: CO Attainment Level - B.Com. (Accounting and Finance)(BAF)-  
Academic Year 2021-22**

Sem ester	Course	Course code	CO Attainm ent value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	BUSINESS COMMUNICATION - I	2011UAFBC	3	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - I	2012UAFIT	3	2	Fully Attained	NA
	FOUNDATION COURSE - I	2013UAFFC	3.4	2	Fully Attained	NA
	BUSINESS ECONOMICS - I	2014UAFBE	2.4	2	Fully Attained	NA
	COMMERCE (BUSINESS ENVIRONMENT) - I	2015UAFCO	3.4	2	Fully Attained	NA
	BUSINESS MATHEMATICS	2016UAFBM	2.8	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - I (ELEMENTS OF FINANCIAL ACCOUNTING)	2017UAFFA	2.8	2	Fully Attained	NA
II	BUSINESS COMMUNICATION - II	2021UAFBC	2.4	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - II	2022UAFIT	2.8	2	Fully Attained	NA
	FOUNDATION COURSE - II	2123UAFFC	3.4	2	Fully Attained	NA
	AUDITING - I (INTRODUCTION AND PLANNING)	2024UAFAD	2.4	2	Fully Attained	NA
	BUSINESS LAW - I	2025UAFBL	2.8	2	Fully Attained	NA
	FINANCIAL MANAGEMENT - I	2026UAFFM	2.8	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - II (SPECIAL	2027UAFFA	2.8	2	Fully Attained	NA

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	ACCOUNTING AREAS)					
III	BUSINESS ECONOMICS - II	2131UAFBE	3.4	2	Fully Attained	NA
	FOUNDATION COURSE IN MANAGEMENT - III (INTRODUCTION TO MANAGEMENT)	2132UAFFC	3.6	2	Fully Attained	NA
	TAXATION - I (INDIRECT TAXES - I)	2133UAFID T	3	2	Fully Attained	NA
	AUDITING - II (TECHNIQUES OF AUDITING AND AUDIT PROCEDURES)	2134UAFAU	3	2	Fully Attained	NA
	BUSINESS LAW - II (BUSINESS REGULATORY FRAMEWORK)	2135UAFBL	3.4	2	Fully Attained	NA
	COST ACCOUNTING - I (INTRODUCTION AND ELEMENTS OF COST)	2136UAFCA	2.8	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - III (SPECIAL ACCOUNTING AREAS)	2137UAFFA	2.4	2	Fully Attained	NA
IV	RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE	2141UAFRM	3	2	Fully Attained	NA
	FOUNDATION COURSE IN COMMERCE - IV (INDIAN FINANCIAL SYSTEM)	2142UAFFC	3.4	2	Fully Attained	NA
	MANAGEMENT ACCOUNTING (INTRODUCTION TO MANAGEMENT ACCOUNTING)	2143UAFM A	2.4	2	Fully Attained	NA
	TAXATION - II (INDIRECT TAXES -	2144UAFID T	3.6	2	Fully Attained	NA

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	II)					
	BUSINESS LAW - III (THE COMPANIES ACT 2013)	2145UAFBL	3	2	Fully Attained	NA
	COST ACCOUNTING - II (METHOD OF COSTING)	2146UAFCA	3	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - IV (SPECIAL ACCOUNTING AREAS)	2147UAFFA	3	2	Fully Attained	NA
V	FINANCIAL ACCOUNTING - V	1851UAFFA	2.5	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - VI	2052UAFFA	3.25	2	Fully Attained	NA
	FINANCIAL MANAGEMENT - II	1953UAFFM	3	2	Fully Attained	NA
	COST ACCOUNTING - III	1854UAFCA	2	2	Fully Attained	NA
	TAXATION - III (DIRECT TAXES - I)	2055UAFDT	3.25	2	Fully Attained	NA
	MANAGEMENT - II (MARKETING OF SERVICES)	2056UAFMS	2.5	2	Fully Attained	NA
VI	FINANCIAL ACCOUNTING - VII	2061UAFFA	3	2	Fully Attained	NA
	INTERNSHIP BASED PROJECT WORK	1962UAFIP	3	2	Fully Attained	NA
	ECONOMICS - III (INDIAN ECONOMY)	1863UAFIE	4	2	Fully Attained	NA
	COST ACCOUNTING - IV	1864UAFCA	2	2	Fully Attained	NA
	TAXATION- IV (DIRECT TAXES - II)	2065UAFDT	2	2	Fully Attained	NA
	INTERNATIONAL FINANCE	1966UAFIF	3.5	2	Fully Attained	NA
		Average	2.93			
NA: Not Applicable as target level is fully attained.						

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**Table No.B.2a: PO Attainment Level- B.Com. (Accounting and Finance)(BAF)-  
Academic Year 2021-22**

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

**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.

**Table No. B.3: Results of CO-PO attainment- B.Com. (Accounting and Finance)(BAF)-  
Academic Year 2021-22**

Sem ester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
<b>I</b>	BUSINESS COMMUNICATION - I	2011UAFB C	3	3		3		3
	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - I	2012UAFIT	3	3	3	3		3
	FOUNDATION COURSE - I	2013UAFF C	3.4	3.4		3.4	3.4	
	BUSINESS ECONOMICS - I	2014UAFB E	2.4	2.4		2.4	2.4	
	COMMERCE (BUSINESS ENVIRONMENT) - I	2015UAFC O	3.4	3.4		3.4	3.4	3.4
	BUSINESS MATHEMATICS	2016UAFB M	2.8		2.8	2.8		2.8
	FINANCIAL ACCOUNTING - I (ELEMENTS OF FINANCIAL ACCOUNTING)	2017UAFF A	2.8		2.8	2.8		2.8
<b>II</b>	BUSINESS COMMUNICATION - II	2021UAFB C	2.4	2.4		2.4		2.4
	INFORMATION TECHNOLOGY IN	2022UAFIT	2.8	2.8	2.8	2.8		2.8

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	ACCOUNTING AND FINANCE - II							
	FOUNDATION COURSE - II	2123UAFFC	3.4	3.4		3.4	3.4	
	AUDITING - I (INTRODUCTION AND PLANNING)	2024UAFA D	2.4	2.4	2.4	2.4	2.4	2.4
	BUSINESS LAW - I	2025UAFFB L	2.8	2.8	2.8	2.8	2.8	
	FINANCIAL MANAGEMENT - I	2026UAFFM	2.8	2.8	2.8	2.8		2.8
	FINANCIAL ACCOUNTING - II (SPECIAL ACCOUNTING AREAS)	2027UAFFA	2.8		2.8	2.8		2.8
III	BUSINESS ECONOMICS - II	2131UAFFB E	3.4	3.4		3.4	3.4	
	FOUNDATION COURSE IN MANAGEMENT - III (INTRODUCTION TO MANAGEMENT)	2132UAFFC	3.6	3.6		3.6	3.6	3.6
	TAXATION - I (INDIRECT TAXES - I)	2133UAFFI DT	3	3	3	3	3	3
	AUDITING - II (TECHNIQUES OF AUDITING AND AUDIT PROCEDURES)	2134UAFAU	3	3	3	3	3	3
	BUSINESS LAW - II (BUSINESS REGULATORY FRAMEWORK)	2135UAFFB L	3.4	3.4	3.4	3.4	3.4	
	COST ACCOUNTING - I (INTRODUCTION AND ELEMENTS OF COST)	2136UAFFC A	2.8		2.8	2.8		2.8
	FINANCIAL ACCOUNTING - III (SPECIAL ACCOUNTING AREAS)	2137UAFFA	2.4		2.4	2.4		2.4
IV	RESEARCH METHODOLOGY IN	2141UAFFR M	3	3		3	3	3

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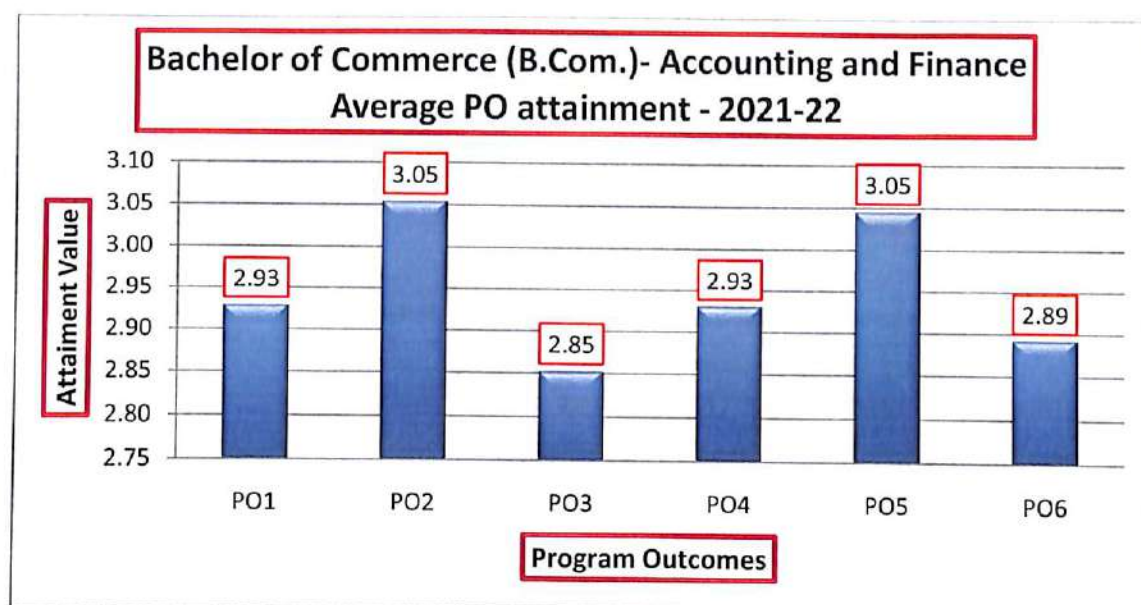


	ACCOUNTING AND FINANCE							
	FOUNDATION COURSE IN COMMERCE - IV (INDIAN FINANCIAL SYSTEM)	2142UAFFC	3.4	3.4	3.4	3.4		3.4
	MANAGEMENT ACCOUNTING (INTRODUCTION TO MANAGEMENT ACCOUNTING)	2143UAFFMA	2.4		2.4	2.4	2.4	2.4
	TAXATION - II (INDIRECT TAXES - II)	2144UAFFIDT	3.6	3.6	3.6	3.6	3.6	3.6
	BUSINESS LAW - III (THE COMPANIES ACT 2013)	2145UAFFBL	3	3	3	3	3	
	COST ACCOUNTING - II (METHOD OF COSTING)	2146UAFFCA			3	3		3
	FINANCIAL ACCOUNTING - IV (SPECIAL ACCOUNTING AREAS)	2147UAFFA	3		3	3		3
V	FINANCIAL ACCOUNTING - V	1851UAFFA	2.5		2.5	2.5		2.5
	FINANCIAL ACCOUNTING - VI	2052UAFFA	3.25		3.25	3.25		3.25
	FINANCIAL MANAGEMENT - II	1953UAFFM	3	3	3	3	3	3
	COST ACCOUNTING - III	1854UAFFCA	2		2	2		2
	TAXATION - III (DIRECT TAXES - I)	2055UAFFDT	3.25	3.25	3.25	3.25	3.25	3.25
	MANAGEMENT - II (MARKETING OF SERVICES)	2056UAFFMS	2.5	2.5		2.5	2.5	2.5
VI	FINANCIAL ACCOUNTING - VII	2061UAFFA	3		3	3		3
	INTERNSHIP BASED PROJECT WORK	1962UAFFIP	3	3	3	3	3	3
	ECONOMICS - III (INDIAN ECONOMY)	1863UAFFIE	4	4		4	4	4

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	COST ACCOUNTING - IV	1864UAFC A	2		2	2		2
	TAXATION- IV (DIRECT TAXES - II)	2065UAFD T	2	2	2	2	2	2
	INTERNATIONAL FINANCE	1966UAFIF	3.5	3.5	3.5	3.5		3.5
		Average	2.93	3.05	2.85	2.93	3.05	2.89



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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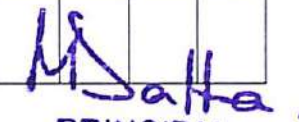
## ANNEXTURE C

### Bachelor of Multi Media & Mass Communication (BAMMC):

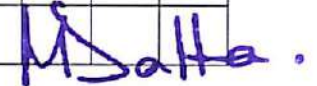
Table No. C.1: PO CO Mapping Matrix:

Bachelor of Multi Media & Mass Communication(BAMMC): Academic Year - 2021-22

Seme ster	Course	CourseCode	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	PS O 1	PS O 2	PS O 3	PS O 4	PS O 5	PS O 6	PS O 1	PS O 2	PS O 3	PS O 4	PS O 5	PS O 6
I	EFFECTIVE COMMUNICATION -I	2011UMCEC	*	*																
	MASS COMMUNICATION	2012UMCMC	*		*	*														
	LANDMARK EVENTS OF THE WORLD AND INDIA- A MASS MEDIA APPROACH	2013UMCLE	*	*	*	*														
	INTRODUCTION TO ECONOMICS	2014UMCIE	*	*	*		*	*												
	INTRODUCTION TO SOCIOLOGY	2015UMCIS	*	*	*															
	INTRODUCTION TO COMPUTERS	2016UMCIC	*	*			*	*												
II	EFFECTIVE COMMUNICATION -II	2021UMCEC	*	*	*		*	*												
	POLITICAL CONCEPTS AND INDIAN POLITICAL SYSTEM	2022UMCPC	*	*	*	*	*	*												
	INTRODUCTION TO LITERATURE	2023UMCIL	*	*																
	PRINCIPLES OF MARKETING	2024UMCPMK	*	*	*	*	*	*												

  
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	PRINCIPLES OF MANAGEMENT	2025UMCPMG	*					*											
	MEDIA PSYCHOLOGY	2026UMCPSY	*	*	*	*	*												
III	INTRODUCTION TO PUBLIC RELATIONS	2131UMCPR	*	*	*	*	*	*					*						
	MEDIA STUDIES	2132UMCMS	*	*	*	*	*												
	UNDERSTANDING CINEMA	2133UMCUC	*	*	*		*	*											
	INTRODUCTION TO CULTURAL STUDIES	2134UMCCS	*	*	*	*	*	*											
	CREATIVE WRITING	2135UMCCW	*	*	*	*	*	*					*						
	ADVANCE COMPUTERS	2136UMCAC	*	*	*	*	*	*											
IV	PHOTOGRAPHY	2141UMCPH	*	*	*		*	*											
	INTRODUCTION TO JOURNALISM	2142UMCIJ							*	*	*	*	*	*					
	INTRODUCTION TO ADVERTISING	2143UMCIA													*	*	*	*	*
	FILM APPRECIATION	2144UMCFA	*	*	*					*									
	ORGANIZATIONAL BEHAVIOUR	2145UMCOB	*	*	*	*		*											
	MASS MEDIA RESEARCH	2146UMCMMR	*	*	*			*											
V Journalism	DIGITAL MEDIA	2051UMMDIM	*	*	*	*	*	*		*						*	*	*	
	JOURNALISM AND PUBLIC OPINION	1852UMMJP							*	*	*	*	*	*					
	INDIAN REGIONAL	1853UMMIR							*										

  
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	CROSS MEDIA WRITING AND EDITING-II	1967UMMC ME							*	*		*	*	*						
VI Adve rtisin g	ADVERTISING DESIGN	2061UMMAD													*	*	*	*	*	*
	CONTEMPORARY ISSUES	1962UMMCI	*	*	*	*	*	*												
	LEGAL ENVIRONMENT AND ADVERTISING ETHICS	1863UMMLE													*			*	*	*
	FINANCIAL MANAGEMENT FOR MARKETING AND ADVERTISING	1864UMMFM													*					*
	PRINCIPLES AND PRACTICES OF DIRECT MARKETING	1865UMMD M													*	*	*		*	*
	AGENCY MANAGEMENT	1866UMMA M													*			*	*	*
	ADVERTISING AND MARKETING RESEARCH	1867UMMA MR													*	*		*	*	*

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**Table No. C.2: CO Attainment Level:**  
**Bachelor of Multi Media & Mass Communication(BAMMC): Academic Year - 2021-22**

Semester	Course	Course code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	EFFECTIVE COMMUNICATION-I	2011UMCEC	3	2	Fully Attained	NA
	MASS COMMUNICATION	2012UMCMC	2.4	2	Fully Attained	NA
	LANDMARK EVENTS OF THE WORLD AND INDIA- A MASS MEDIA APPROACH	2013UMCLE	2.2	2	Fully Attained	NA
	INTRODUCTION TO ECONOMICS	2014UMCIE	2.4	2	Fully Attained	NA
	INTRODUCTION TO SOCIOLOGY	2015UMCIS	2.2	2	Fully Attained	NA
	INTRODUCTION TO COMPUTERS	2016UMCIC	3.4	2	Fully Attained	NA
II	EFFECTIVE COMMUNICATION-II	2021UMCEC	2.2	2	Fully Attained	NA
	POLITICAL CONCEPTS AND INDIAN POLITICAL SYSTEM	2022UMCPC	2	2	Fully Attained	NA
	INTRODUCTION TO LITERATURE	2023UMCIL	2	2	Fully Attained	NA
	PRINCIPLES OF MARKETING	2024UMCPMK	2.2	2	Fully Attained	NA
	PRINCIPLES OF MANAGEMENT	2025UMCPM G	4	2	Fully Attained	NA

  
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	MEDIA PSYCHOLOGY	2026UMCPS Y	2.4	2	Fully Attained	NA
III	INTRODUCTION TO PUBLIC RELATIONS	2131UMCPR	3.4	2	Fully Attained	NA
	MEDIA STUDIES	2132UMCMS	2.4	2	Fully Attained	NA
	UNDERSTANDING CINEMA	2133UMCUC	2.4	2	Fully Attained	NA
	INTRODUCTION TO CULTURAL STUDIES	2134UMCCS	3	2	Fully Attained	NA
	CREATIVE WRITING	2135UMCCW	2.4	2	Fully Attained	NA
	ADVANCE COMPUTERS	2136UMCAC	4	2	Fully Attained	NA
IV	PHOTOGRAPHY	2141UMCPH	2	2	Fully Attained	NA
	INTRODUCTION TO JOURNALISM	2142UMCIJ	3	2	Fully Attained	NA
	INTRODUCTION TO ADVERTISING	2143UMCIA	3	2	Fully Attained	NA
	FILM APPRECIATION	2144UMCFA	3	2	Fully Attained	NA
	ORGANIZATIONAL BEHAVIOUR	2145UMCOB	3.4	2	Fully Attained	NA
	MASS MEDIA RESEARCH	2146UMCMMR	2.4	2	Fully Attained	NA
V Journalis m	DIGITAL MEDIA	2051UMMDI M	2.25	2	Fully Attained	NA
	JOURNALISM AND PUBLIC OPINION	1852UMMJP	3	2	Fully Attained	NA
	INDIAN REGIONAL JOURNALISM	1853UMMIR	2.75	2	Fully Attained	NA
	GLOBAL AND NEW MEDIA	1954UMMGN M	2.25	2	Fully Attained	NA

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	REPORTING	1855UMMRP	3	2	Fully Attained	NA
	CROSS MEDIA WRITING AND EDITING-I	1956UMMC ME	2.25	2	Fully Attained	NA
V Advt	DIGITAL MEDIA BRAND BUILDING	2051UMMDI M	2.25	2	Fully Attained	NA
		1852UMMBB	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	ADVERTISING IN CONTEMPORARY SOCIETY	1853UMMAC	3	2	Fully Attained	NA
	CONSUMER BEHAVIOUR	1854UMMCB	2.5	2	Fully Attained	NA
	MEDIA PLANNING AND BUYING	1855UMMMP	3.25	2	Fully Attained	NA
	COPYWRITING	1856UMMC W	3	2	Fully Attained	NA
VI Journalis m	NEWSPAPER AND MAGAZINE MAKING	2061UMMN M	3	2	Fully Attained	NA
	CONTEMPORARY ISSUES	1962UMMCI	2.25	2	Fully Attained	NA
	PRESS LAWS AND ETHICS	1863UMMPLE	4	2	Fully Attained	NA
	BROADCAST JOURNALISM	1864UMMBJ	2.25	2	Fully Attained	NA
	BUSINESS AND MAGAZINE JOURNALISM	1865UMMB MJ	3.75	2	Fully Attained	NA
	NEWS MEDIA MANAGEMENT	1866UMMN MM	2.25	2	Fully Attained	NA
	CROSS MEDIA WRITING AND EDITING-II	1967UMMC ME	3	2	Fully Attained	NA
VI	ADVERTISING DESIGN	2061UMMAD	4.75	2	Fully Attained	NA

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Advt	CONTEMPORARY ISSUES	1962UMMCI	2.25	2	Fully Attained	NA
	LEGAL ENVIRONMENT AND ADVERTISING ETHICS	1863UMMLE	4	2	Fully Attained	NA
	FINANCIAL MANAGEMENT FOR MARKETING AND ADVERTISING	1864UMMFM	3	2	Fully Attained	NA
	PRINCIPLES AND PRACTICES OF DIRECT MARKETING	1865UMMD M	4	2	Fully Attained	NA
	AGENCY MANAGEMENT	1866UMMA M	3.25	2	Fully Attained	NA
	ADVERTISING AND MARKETING RESEARCH	1867UMMAMR	2.25	2	Fully Attained	NA
		Average	2.796			
NA: Not Applicable as target level is fully attained.						

**Table No. C.2a: PO Attainment Level-  
Bachelor of Multi Media & Mass Communication(BAMMC): 2021-22**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	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. C.3: Results of CO-PO attainment-Bachelor of Multi Media & Mass Communication (BAMMC)- Academic Year 2021-22**

Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PS O 1	PS O 2	PS O 3	PS O 4	PS O 5	PS O 6	PS O 1	PS O 2	PS O 3	PS O 4	PS O 5	PS O 6
I	EFFECTIVE COMMUNICATION -I	2011UMCEC	3	3																
	MASS COMMUNICATION	2012UMCMC	2.4		2.4	2.4														
	LANDMARK EVENTS OF THE WORLD AND INDIA- A MASS MEDIA APPROACH	2013UMCLE	2.2	2.2	2.2	2.2														
	INTRODUCTION TO ECONOMICS	2014UMCIE	2.4	2.4	2.4		2.4	2.4												
	INTRODUCTION TO SOCIOLOGY	2015UMCIS	2.2	2.2	2.2															
	INTRODUCTION TO COMPUTERS	2016UMCIC	3.4	3.4			3.4	3.4												
II	EFFECTIVE COMMUNICATION -II	2021UMCEC	2.2	2.2	2.2		2.2	2.2												
	POLITICAL CONCEPTS AND INDIAN POLITICAL SYSTEM	2022UMCPC	2	2	2	2	2	2												
	INTRODUCTION TO LITERATURE	2023UMCIL	2	2																
	PRINCIPLES OF MARKETING	2024UMCPMK	2.2	2.2	2.2	2.2	2.2	2.2												
	PRINCIPLES OF MANAGEMENT	2025UMCPMG	4					4												

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	MEDIA PSYCHOLOGY	2026UMCPSY	2.4	2.4	2.4	2.4	2.4													
III	INTRODUCTION TO PUBLIC RELATIONS	2131UMCPR	3.4	3.4	3.4	3.4	3.4	3.4					3.4							
	MEDIA STUDIES	2132UMCMS	2.4	2.4	2.4	2.4	2.4													
	UNDERSTANDING CINEMA	2133UMCUC	2.4	2.4	2.4		2.4	2.4												
	INTRODUCTION TO CULTURAL STUDIES	2134UMCCS	3	3	3	3	3	3												
	CREATIVE WRITING	2135UMCCW	2.4	2.4	2.4	2.4	2.4	2.4					2.4							
	ADVANCE COMPUTERS	2136UMCAC	4	4	4	4	4	4												
IV	PHOTOGRAPHY	2141UMCPH	2	2	2		2	2												
	INTRODUCTION TO JOURNALISM	2142UMCIJ							3	3	3	3	3	3						
	INTRODUCTION TO ADVERTISING	2143UMCIA													3	3	3	3	3	3
	FILM APPRECIATION	2144UMCFA	3	3	3				3											
	ORGANIZATIONAL BEHAVIOUR	2145UMCOB	3.4	3.4	3.4	3.4		3.4												
	MASS MEDIA RESEARCH	2146UMCMR	2.4	2.4	2.4			2.4												
V Jo ur n al	DIGITAL MEDIA	2051UMMDIM	2.2 5	2.2 5	2.2 5	2.2 5	2.2 5	2.2 5		2.2 5						2.2 5	2.2 5	2.2 5		
	JOURNALISM AND PUBLIC OPINION	1852UMMJPO							3	3	3	3	3	3						
	INDIAN REGIONAL JOURNALISM	1853UMMIR							2.7 5											
	GLOBAL AND NEW MEDIA	1954UMMGNM							2.2 5		2.2 5			2.2 5						

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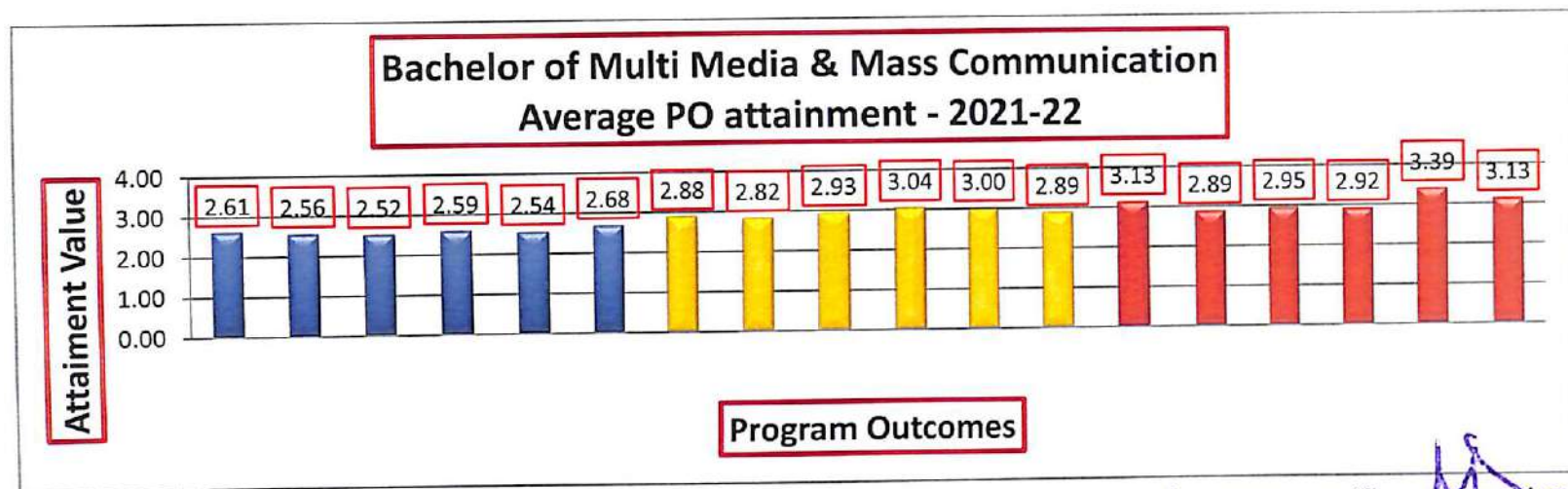
is m	REPORTING	1855UMMRP							3	3	3	3	3	3						
	CROSS MEDIA WRITING AND EDITING-I	1956UMMC ME							2.2 5	2.2 5			2.2 5	2.2 5						
V A d v e r t i s i n g	DIGITAL MEDIA	2051UMMDI M	2.2 5	2.2 5	2.2 5	2.2 5	2.2 5	2.2 5		2.2 5						2.2 5	2.2 5	2.2 5		
	BRAND BUILDING	1852UMMBB														1.5	1.5	1.5	1.5	1.5
	ADVERTISING IN CONTEMPORARY SOCIETY	1853UMMAC														3	3	3	3	3
	CONSUMER BEHAVIOUR	1854UMMCB														2.5	2.5	2.5		2.5
	MEDIA PLANNING AND BUYING	1855UMMMP														3.2 5	3.2 5	3.2 5		3.2 5
	COPYWRITING	1856UMMC W														3	3	3		3
V I J o u r n a l i s m	NEWSPAPER AND MAGAZINE MAKING	2061UMMN M							3	3	3	3	3	3						
	CONTEMPORARY ISSUES	1962UMMCI	2.2 5	2.2 5	2.2 5	2.2 5	2.2 5	2.2 5												
	PRESS LAWS AND ETHICS	1863UMMPL E							4	4	4	4	4	4						
	BROADCAST JOURNALISM	1864UMMBJ							2.2 5	2.2 5	2.2 5	2.2 5	2.2 5	2.2 5						
	BUSINESS AND MAGAZINE JOURNALISM	1865UMMB MJ							3.7 5				3.7 5	3.7 5						
	NEWS MEDIA MANAGEMENT	1866UMMN MM							2.2 5					2.2 5						
	CROSS MEDIA WRITING AND EDITING-II	1967UMMC ME							3	3		3	3	3						
	ADVERTISING DESIGN	2061UMMAD														4.7 5	4.7 5	4.7 5	4.7 5	4.7 5
	CONTEMPORARY ISSUES	1962UMMCI	2.2 5	2.2 5	2.2 5	2.2 5	2.2 5	2.2 5												

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V I A d v e r t i s i n g	LEGAL ENVIRONMENT AND ADVERTISING ETHICS	1863UMMLE													4			4	4	4
	FINANCIAL MANAGEMENT FOR MARKETING AND ADVERTISING	1864UMMFM													3					3
	PRINCIPLES AND PRACTICES OF DIRECT MARKETING	1865UMMDM													4	4	4		4	4
	AGENCY MANAGEMENT	1866UMMAM													3.25			3.25	3.25	3.25
	ADVERTISING AND MARKETING RESEARCH	1867UMMAMR													2.25	2.25		2.25	2.25	2.25
	Average		2.61	2.56	2.52	2.59	2.54	2.68	2.88	2.82	2.93	3.04	3.00	2.89	3.13	2.89	2.95	2.92	3.39	3.13



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

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# ANNEXURE D

## Bachelor of Commerce (Banking and Insurance) –

### B.Com. (Banking and Insurance) (BBI):

Table No. D.1: PO CO Mapping Matrix: B.Com. (Banking and Insurance) (BBI)  
Academic Year - 2021-22

Semester	Course	Course Code	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6
I	BUSINESS COMMUNICATION - I	2011UBIBC	*	*			*	*
	PRINCIPLES OF MANAGEMENT	2012UBIPM	*	*	*			*
	FOUNDATION COURSE - I	2113UBIFC	*	*			*	*
	BUSINESS ECONOMICS - I	2014UBIBE	*	*	*			*
	FINANCIAL ACCOUNTING - I	2015UBIFA	*		*	*		*
	ENVIRONMENT AND MANAGEMENT OF FINANCIAL SERVICES	2016UBIEM	*	*			*	
	QUANTITATIVE METHODS - I	2017UBIQM	*		*	*		*
II	BUSINESS COMMUNICATION- II	2021UBIBC	*	*				*
	ORGANISATIONAL BEHAVIOUR	2022UBIOB	*	*			*	*
	FOUNDATION COURSE- II	2123UBIFC	*	*			*	*
	BUSINESS LAW	2124UBIBL	*		*		*	
	FINANCIAL ACCOUNTING - II	2025UBIFA	*		*	*		*
	PRINCIPLES AND PRACTICES OF BANKING AND INSURANCE	2026UBIPP	*	*				*
	QUANTITATIVE METHODS -II	2027UBIQM	*		*	*		*
III	FINANCIAL MARKETS	2131UBIFM	*			*		*
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE-I	2132UBIIT	*	*	*			*

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	FINANCIAL MANAGEMENT - I	2133UBIFT	*		*	*		*
	MANAGEMENT ACCOUNTING	2134UBIMA	*		*			*
	DIRECT TAXATION	2135UBIDT	*		*			*
	RISK MANAGEMENT	2136UBIRM	*		*	*		
	FOUNDATION COURSE - III (HUMAN RESORUCE MANAGEMENT)	2137UBIFC	*	*			*	*
IV	CORPORATE AND SECURITIES LAW	2141UBICL	*		*			*
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE -II	2142UBIIT	*	*		*		*
	FINANCIAL MANAGEMENT -II	2143UBIFM	*		*	*		*
	COST ACCOUNTING	2144UBICA	*		*	*		
	BUSINESS ECONOMICS -II	2145UBIBE	*	*				*
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	2146UBICG	*	*			*	*
	FOUNDATION COURSE -IV (INTRODUCTION TO INTERNATIONAL BUSINESS)	2147UBIFC	*	*			*	*
V	INTERNATIONAL BANKING AND FINANCE	1851UBIIBF	*	*				*
	RESEARCH METHODOLOGY	1852UBIRM	*		*	*		*
	ACTUARIAL ANALYSIS IN BANKING AND INSURANCE	1853UBIAA	*		*	*		
	FINANCIAL REPORTING AND ANALYSIS	1854UBIFRA	*		*		*	*
	AUDITING - I	1855UBIAD	*	*			*	
	FINANCIAL SERVICES MANAGEMENT	1856UBIFS	*	*				*
	WEALTH	2061UBIWM	*		*			*

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VI	MANAGEMENT						
	INTERNSHIP BASED PROJECT WORK	1962UBIIP	*	*		*	*
	MARKETING IN BANKING AND INSURANCE	1863UBIMK	*	*			*
	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	1864UBISM	*		*	*	*
	AUDITING- II	1865UBIAD	*	*	*		*
	BANKING ASPECTS IN BUSINESS	1966UBIBAB	*	*			*

**Table No. D.2: CO Attainment Level: Bachelor of Commerce (Banking and Insurance)-BBI  
Academic Year - 2021-22**

Sem ester	Course	Course code	CO Attainme nt value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	BUSINESS COMMUNICATI ON - I	2011UBIBC	2.4	2	Fully Attained	NA
	PRINCIPLES OF MANAGEMENT	2012UBIPM	3	2	Fully Attained	NA
	FOUNDATION COURSE - I	2113UBIFC	3	2	Fully Attained	NA
	BUSINESS ECONOMICS - I	2014UBIBE	3	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - I	2015UBIFA	2.4	2	Fully Attained	NA
	ENVIRONMENT AND MANAGEMENT OF FINANCIAL SERVICES	2016UBIEM	2.8	2	Fully Attained	NA
	QUANTITATIVE METHODS - I	2017UBIQM	2.4	2	Fully Attained	NA
II	BUSINESS COMMUNICATI ON- II	2021UBIBC	2.4	2	Fully Attained	NA
	ORGANISATION AL BEHAVIOUR	2022UBIOB	4	2	Fully Attained	NA
	FOUNDATION COURSE- II	2123UBIFC	2.8	2	Fully Attained	NA
	BUSINESS LAW	2124UBIBL	2.4	2	Fully	NA

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					Attained	
	FINANCIAL ACCOUNTING - II	2025UBIFA	2.6	2	Fully Attained	NA
	PRINCIPLES AND PRACTICES OF BANKING AND INSURANCE	2026UBIPP	2.8	2	Fully Attained	NA
	QUANTITATIVE METHODS -II	2027UBIQM	2.4	2	Fully Attained	NA
III	FINANCIAL MARKETS	2131UBIFM	3.4	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE-I	2132UBIIT	2.4	2	Fully Attained	NA
	FINANCIAL MANAGEMENT - I	2133UBIFT	4	2	Fully Attained	NA
	MANAGEMENT ACCOUNTING	2134UBIMA	3.6	2	Fully Attained	NA
	DIRECT TAXATION	2135UBIDT	3.2	2	Fully Attained	NA
	RISK MANAGEMENT	2136UBIRM	2.6	2	Fully Attained	NA
	FOUNDATION COURSE - III (HUMAN RESORUCE MANAGEMENT)	2137UBIFC	3.4	2	Fully Attained	NA
IV	CORPORATE AND SECURITIES LAW	2141UBICL	3.8	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE -II	2142UBIIT	2	2	Fully Attained	NA
	FINANCIAL MANAGEMENT -II	2143UBIFM	2.4	2	Fully Attained	NA
	COST ACCOUNTING	2144UBICA	2.4	2	Fully Attained	NA
	BUSINESS ECONOMICS -II	2145UBIBE	2.4	2	Fully Attained	NA
	BUSINESS	2146UBICG	3	2	Fully	NA

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	ETHICS AND CORPORATE GOVERNANCE				Attained	
	FOUNDATION COURSE -IV (INTRODUCTION TO INTERNATIONAL BUSINESS)	2147UBIFC	2	2	Fully Attained	NA
V	INTERNATIONAL BANKING AND FINANCE	1851UBIIBF	3.25	2	Fully Attained	NA
	RESEARCH METHODOLOGY	1852UBIRM	3.25	2	Fully Attained	NA
	ACTUARIAL ANALYSIS IN BANKING AND INSURANCE	1853UBIAA	3.5	2	Fully Attained	NA
	FINANCIAL REPORTING AND ANALYSIS	1854UBIFRA	3.25	2	Fully Attained	NA
	AUDITING - I	1855UBIAD	3.25	2	Fully Attained	NA
	FINANCIAL SERVICES MANAGEMENT	1856UBIFS	3.25	2	Fully Attained	NA
VI	WEALTH MANAGEMENT	2061UBIWM	3.25	2	Fully Attained	NA
	INTERNSHIP BASED PROJECT WORK	1962UBIIP	3.25	2	Fully Attained	NA
	MARKETING IN BANKING AND INSURANCE	1863UBIMK	3.25	2	Fully Attained	NA
	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	1864UBISM	2.5	2	Fully Attained	NA
	AUDITING- II	1865UBIAD	2.25	2	Fully Attained	NA
	BANKING ASPECTS IN BUSINESS	1966UBIBA B	3	2	Fully Attained	NA
		Average	2.906			

NA: Not Applicable as target level is fully attained.

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Table No.D.2a: PO Attainment Level-B.Com(Banking and Insurance)-BBI-2021-22

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	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. D.3: Results of CO-PO attainment-  
Bachelor of Commerce (Banking and Insurance)(BBI)-Academic Year 2021-22

Semester	Course	CourseCode	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6
I	BUSINESS COMMUNICATION - I	2011UBIBC	2.4	2.4			2.4	2.4
	PRINCIPLES OF MANAGEMENT	2012UBIPM	3	3	3			3
	FOUNDATION COURSE - I	2013UBIFC	3	3			3	3
	BUSINESS ECONOMICS - I	2014UBIBE	3	3	3			3
	FINANCIAL ACCOUNTING - I	2015UBIFA	2.4		2.4	2.4		2.4
	ENVIRONMENT AND MANAGEMENT OF FINANCIAL SERVICES	2016UBIEM	2.8	2.8			2.8	
	QUANTITATIVE METHODS - I	2017UBIQM	2.4		2.4	2.4		2.4
II	BUSINESS COMMUNICATION - II	2021UBIBC	2.4	2.4				2.4
	ORGANISATIONAL BEHAVIOUR	2022UBIOB	4	4			4	4
	FOUNDATION COURSE- II	2123UBIFC	2.8	2.8			2.8	2.8
	BUSINESS LAW	2124UBIBL	2.4		2.4		2.4	
	FINANCIAL ACCOUNTING - II	2025UBIFA	2.6		2.6	2.6		2.6


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	PRINCIPLES AND PRACTICES OF BANKING AND INSURANCE	2026UBIPP	2.8	2.8				2.8
	QUANTITATIVE METHODS -II	2027UBIQM	2.4		2.4	2.4		2.4
III	FINANCIAL MARKETS	2131UBIFM	3.4			3.4		3.4
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE-I	2132UBIIT	2.4	2.4	2.4			2.4
	FINANCIAL MANAGEMENT - I	2133UBIFT	4		4	4		4
	MANAGEMENT ACCOUNTING	2134UBIMA	3.6		3.6			3.6
	DIRECT TAXATION	2135UBIDT	3.2		3.2			3.2
	RISK MANAGEMENT	2136UBIRM	2.6		2.6	2.6		
	FOUNDATION COURSE - III (HUMAN RESORUCE MANAGEMENT)	2137UBIFC	3.4	3.4			3.4	3.4
IV	CORPORATE AND SECURITIES LAW	2141UBICL	3.8		3.8			3.8
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE -II	2142UBIIT	2	2		2		2
	FINANCIAL MANAGEMENT - II	2143UBIFM	2.4		2.4	2.4		2.4
	COST ACCOUNTING	2144UBICA	2.4		2.4	2.4		
	BUSINESS ECONOMICS -II	2145UBIBE	2.4	2.4				2.4
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	2146UBICG	3	3			3	3
	FOUNDATION COURSE -IV	2147UBIFC	2	2			2	2

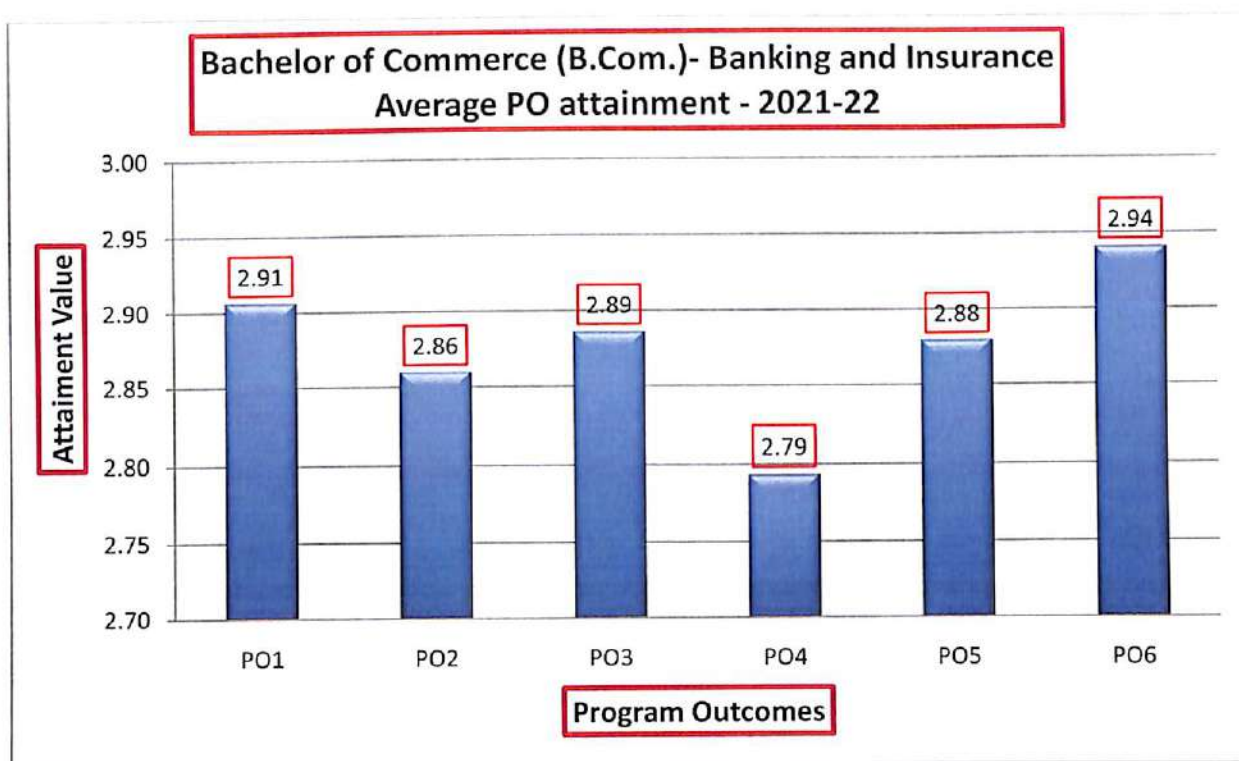
  
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	(INTRODUCTION TO INTERNATIONAL BUSINESS)							
V	INTERNATIONAL BANKING AND FINANCE	1851UBIIB F	3.25	3.25				3.25
	RESEARCH METHODOLOGY	1852UBIRM	3.25		3.25	3.25		3.25
	ACTUARIAL ANALYSIS IN BANKING AND INSURANCE	1853UBIA A	3.5		3.5	3.5		
	FINANCIAL REPORTING AND ANALYSIS	1854UBIFR A	3.25		3.25		3.25	3.25
	AUDITING - I	1855UBIA D	3.25	3.25			3.25	
	FINANCIAL SERVICES MANAGEMENT	1856UBIFS	3.25	3.25				3.25
VI	WEALTH MANAGEMENT	2061UBIW M	3.25		3.25			3.25
	INTERNSHIP BASED PROJECT WORK	1962UBIIP	3.25	3.25		3.25		3.25
	MARKETING IN BANKING AND INSURANCE	1863UBIM K	3.25	3.25				3.25
	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	1864UBIS M	2.5		2.5	2.5		2.5
	AUDITING- II	1865UBIA D	2.25	2.25	2.25		2.25	
	BANKING ASPECTS IN BUSINESS	1966UBIBA B	3	3				3
		Average	2.91	2.86	2.89	2.79	2.88	2.94

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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 between 2.5 and 3.0).

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## ANNEXTURE E

### Bachelor of Commerce (Financial Markets) –

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

**Table No. E.1: PO CO Mapping Matrix: B.Com. (Financial Markets)(BFM)**  
**Academic Year - 2021-22**

Semester	Course	Course Code	PO 1	PO2	PO3	PO4	PO5	PO 6
<b>I</b>	BUSINESS COMMUNICATION-I	2011UFMBC	*	*	*	*		*
	BUSINESS ENVIRONMENT	2012UFMBE	*	*			*	*
	FOUNDATION COURSE – I	2013UFMFC		*	*		*	
	BUSINESS ECONOMICS-I	2014UFMBE	*	*	*	*		*
	FINANCIAL ACCOUNTING- I	2015UFMFA	*	*	*	*		*
	INTRODUCTION TO FINANCIAL SYSTEM	2016UFMFS	*	*				*
	BUSINESS MATHEMATICS	2017UFMBM	*	*	*	*		*
<b>II</b>	BUSINESS COMMUNICATION-II	2021UFMBC	*	*	*	*		*
	ACCOUNTING IN CORPORATE ENVIRONMENT	2022UFMAE	*	*	*	*		*
	FOUNDATION COURSE – II	2023UFMFC		*	*	*	*	
	COMPUTER SKILLS-I	2024UFMCS	*	*		*	*	*
	FINANCIAL ACCOUNTING- II	2025UFMFA	*	*	*	*		*
	PRINCIPLES OF MANAGEMENT	2026UFMPM	*	*	*	*	*	*
	BUSINESS STATISTICS	2027UFMBS	*	*	*	*		*
<b>III</b>	MANAGEMENT ACCOUNTING	1731UFMM A	*	*	*	*		*
	FOUNDATION COURSE– III (MONEY MARKET)	1732UFMFC	*	*	*	*		*
	DEBT MARKET-I	1733UFMD M	*	*	*	*		*
	EQUITY MARKET-I	1934UFMEM	*	*	*	*		*
	COMMODITY MARKET	2035UFMCM	*	*	*	*		*
	COMPUTER SKILLS-II	2036UFMCS	*	*	*	*		*

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	BUSINESS LAW-I	1737UFMBL	*	*	*	*	*	*
IV	CORPORATE FINANCE	1741UFMCF	*	*	*	*		*
	FOUNDATION COURSE – IV (FOREIGN EXCHANGE MARKET)	1742UFMFC	*	*	*	*		*
	DEBT MARKET-II	1743UFMD M	*	*	*	*		*
	EQUITY MARKET - II	1944UFMEM	*	*	*	*		*
	COMMODITY AND DERIVATIVE MARKET	2045UFMCD	*	*	*	*		*
	BUSINESS ECONOMICS-II	1746UFMBE	*	*	*	*		*
	BUSINESS LAW-II	1847UFMBL	*	*	*	*	*	*
V	FINANCIAL DERIVATIVES	1851UFMFD	*	*	*	*		*
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	1852UFMCG	*	*			*	*
	CORPORATE ACCOUNTING	1853UFMCA	*	*	*	*		*
	EQUITY RESEARCH	2054UFMER	*	*	*	*		*
	DIRECT TAX - INCOME TAX	1855UFMDT	*	*	*	*	*	*
	MARKETING IN FINANCIAL SERVICES	1856UFMFS	*	*	*	*		*
VI	RISK MANAGEMENT	1861UFMRM	*	*	*	*		*
	INTERNSHIP BASED PROJECT WORK	1962UFMIP	*	*	*	*	*	*
	VENTURE CAPITAL AND PRIVATE EQUITY	1863UFMVC	*	*	*	*		*
	STRATEGIC CORPORATE FINANCE	1864UFMSC F	*	*	*	*		*
	INDIRECT TAX-GST	1865UFMIT	*	*	*	*	*	*
	ORGANIZATIONAL BEHAVIOUR	1966UFMOB	*	*	*		*	*

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**Table No. E.2: CO Attainment Level: Bachelor of Commerce (Financial Markets)-BFM  
Academic Year - 2021-22**

Seme ster	Course	Course Code	CO Attainme nt value	Attainme nt Target Level	Fully Attained/ Not Attained	Remedial Measures
I	BUSINESS COMMUNICA TION-I	2011UFMBC	3	2	Fully Attained	NA
	BUSINESS ENVIRONME NT	2012UFMBE	4	2	Fully Attained	NA
	FOUNDATION COURSE – I	2013UFMFC	4	2	Fully Attained	NA
	BUSINESS ECONOMICS-I	2014UFMBE	4	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - I	2015UFMFA	4	2	Fully Attained	NA
	INTRODUCTI ON TO FINANCIAL SYSTEM	2016UFMFS	3.4	2	Fully Attained	NA
	BUSINESS MATHEMATI CS	2017UFMBM	3.4	2	Fully Attained	NA
II	BUSINESS COMMUNICA TION-II	2021UFMBC	3	2	Fully Attained	NA
	ACCOUNTING IN CORPORATE ENVIRONME NT	2022UFMAE	2.8	2	Fully Attained	NA
	FOUNDATION COURSE – II	2023UFMFC	2.8	2	Fully Attained	NA
	COMPUTER SKILLS-I	2024UFMCS	3.4	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - II	2025UFMFA	2.8	2	Fully Attained	NA
	PRINCIPLES OF	2026UFMPM	2.4	2	Fully Attained	NA

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	MANAGEMENT					
	BUSINESS STATISTICS	2027UFMBS	2.8	2	Fully Attained	NA
III	MANAGEMENT ACCOUNTING	1731UFMMA	2.4	2	Fully Attained	NA
	FOUNDATION COURSE- III (MONEY MARKET)	1732UFMFC	3	2	Fully Attained	NA
	DEBT MARKET-I	1733UFMDM	3.4	2	Fully Attained	NA
	EQUITY MARKET-I	1934UFMEM	2.6	2	Fully Attained	NA
	COMMODITY MARKET	2035UFMCM	2.4	2	Fully Attained	NA
	COMPUTER SKILLS-II	2036UFMCS	2.4	2	Fully Attained	NA
	BUSINESS LAW-I	1737UFMBL	3	2	Fully Attained	NA
IV	CORPORATE FINANCE	1741UFMCF	2.6	2	Fully Attained	NA
	FOUNDATION COURSE - IV (FOREIGN EXCHANGE MARKET)	1742UFMFC	3.6	2	Fully Attained	NA
	DEBT MARKET-II	1743UFMDM	3.8	2	Fully Attained	NA
	EQUITY MARKET - II	1944UFMEM	3.4	2	Fully Attained	NA
	COMMODITY AND DERIVATIVE MARKET	2045UFMCD	2	2	Fully Attained	NA
	BUSINESS ECONOMICS- II	1746UFMBE	3.4	2	Fully Attained	NA
	BUSINESS LAW-II	1847UFMBL	3.4	2	Fully Attained	NA
V	FINANCIAL	1851UFMFD	3.25	2	Fully	NA

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	DERIVATIVES				Attained	
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	1852UFMCG	3.5	2	Fully Attained	NA
	CORPORATE ACCOUNTING	1853UFMCA	3.25	2	Fully Attained	NA
	EQUITY RESEARCH	2054UFMER	3.25	2	Fully Attained	NA
	DIRECT TAX - INCOME TAX	1855UFMDT	3.25	2	Fully Attained	NA
	MARKETING IN FINANCIAL SERVICES	1856UFMFS	3.25	2	Fully Attained	NA
VI	RISK MANAGEMENT	1861UFMRM	2.25	2	Fully Attained	NA
	INTERNSHIP BASED PROJECT WORK	1962UFMIP	4	2	Fully Attained	NA
	VENTURE CAPITAL AND PRIVATE EQUITY	1863UFMVC	3	2	Fully Attained	NA
	STRATEGIC CORPORATE FINANCE	1864UFMSCF	4	2	Fully Attained	NA
	INDIRECT TAX-GST	1865UFMIT	2.5	2	Fully Attained	NA
	ORGANIZATIONAL BEHAVIOUR	1966UFMOB	2.25	2	Fully Attained	NA
		Average	3.11			
NA: Not Applicable as target level is fully attained						

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**Table No.E.2a: PO Attainment Level- Bachelor of Financial Markets – BFM- 2021-22**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	5	4	Fully Attained	NA
<i>NA: Not Applicable as target level is fully attained</i>				

**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. E.3: Results of CO-PO attainment-Bachelor of Financial Markets (BFM)-  
Academic Year 2021-22**

Semes ter	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
<b>I</b>	BUSINESS COMMUNICATION-I	2011UFMBC	3	3	3	3		3
	BUSINESS ENVIRONMENT	2012UFMBE	4	4			4	4
	FOUNDATION COURSE – I	2013UFMFC		4	4		4	
	BUSINESS ECONOMICS-I	2014UFMBE	4	4	4	4		4
	FINANCIAL ACCOUNTING- I	2015UFMFA	4	4	4	4		4
	INTRODUCTION TO FINANCIAL SYSTEM	2016UFMFS	3.4	3.4				3.4
	BUSINESS MATHEMATICS	2017UFMBM	3.4	3.4	3.4	3.4		3.4
<b>II</b>	BUSINESS COMMUNICATION-II	2021UFMBC	3	3	3	3		3
	ACCOUNTING IN CORPORATE ENVIRONMENT	2022UFMAE	2.8	2.8	2.8	2.8		2.8
	FOUNDATION COURSE – II	2023UFMFC		2.8	2.8	2.8	2.8	
	COMPUTER SKILLS-I	2024UFMCS	3.4	3.4		3.4	3.4	3.4

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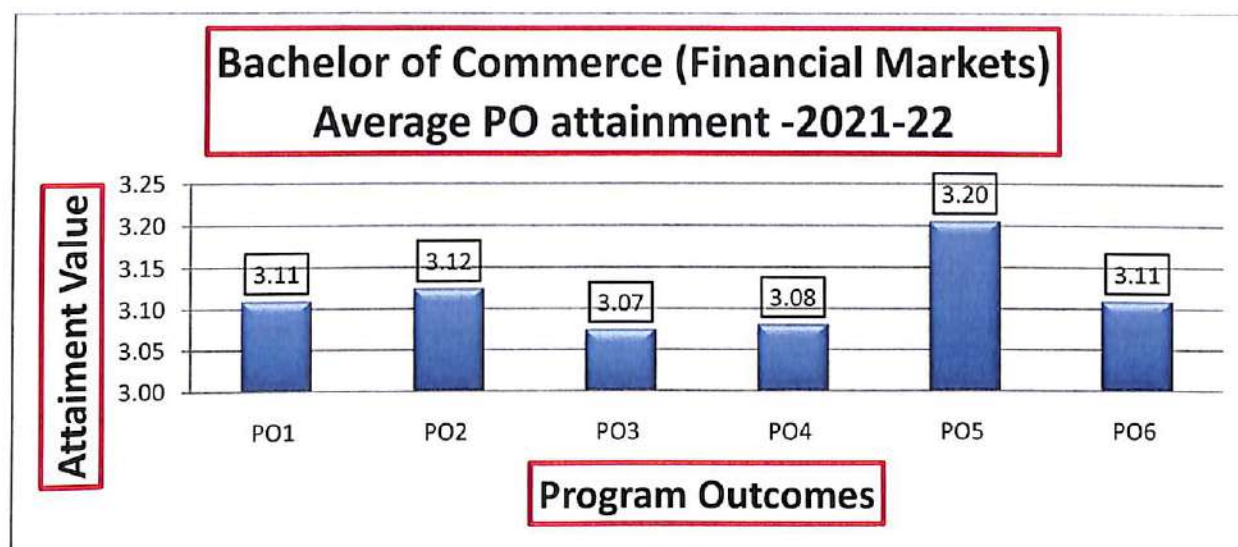
	FINANCIAL ACCOUNTING- II	2025UFMFA	2.8	2.8	2.8	2.8		2.8
	PRINCIPLES OF MANAGEMENT	2026UFMPM	2.4	2.4	2.4	2.4	2.4	2.4
	BUSINESS STATISTICS	2027UFMBS	2.8	2.8	2.8	2.8		2.8
III	MANAGEMENT ACCOUNTING	1731UFMMA	2.4	2.4	2.4	2.4		2.4
	FOUNDATION COURSE- III (MONEY MARKET)	1732UFMFC	3	3	3	3		3
	DEBT MARKET-I	1733UFMDM	3.4	3.4	3.4	3.4		3.4
	EQUITY MARKET-I	1934UFMEM	2.6	2.6	2.6	2.6		2.6
	COMMODITY MARKET	2035UFMCM	2.4	2.4	2.4	2.4		2.4
	COMPUTER SKILLS-II	2036UFMCS	2.4	2.4	2.4	2.4		2.4
	BUSINESS LAW-I	1737UFMBL	3	3	3	3	3	3
IV	CORPORATE FINANCE	1741UFMCF	2.6	2.6	2.6	2.6		2.6
	FOUNDATION COURSE - IV (FOREIGN EXCHANGE MARKET)	1742UFMFC	3.6	3.6	3.6	3.6		3.6
	DEBT MARKET-II	1743UFMDM	3.8	3.8	3.8	3.8		3.8
	EQUITY MARKET - II	1944UFMEM	3.4	3.4	3.4	3.4		3.4
	COMMODITY AND DERIVATIVE MARKET	2045UFMCD	2	2	2	2		2
	BUSINESS ECONOMICS-II	1746UFMBE	3.4	3.4	3.4	3.4		3.4
	BUSINESS LAW-II	1847UFMBL	3.4	3.4	3.4	3.4	3.4	3.4
V	FINANCIAL DERIVATIVES	1851UFMFD	3.25	3.25	3.25	3.25		3.25
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	1852UFMCG	3.5	3.5			3.5	3.5
	CORPORATE ACCOUNTING	1853UFMCA	3.25	3.25	3.25	3.25		3.25
	EQUITY RESEARCH	2054UFMER	3.25	3.25	3.25	3.25		3.25
	DIRECT TAX - INCOME TAX	1855UFMDT	3.25	3.25	3.25	3.25	3.25	3.25

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	MARKETING IN FINANCIAL SERVICES	1856UFMFS	3.25	3.25	3.25	3.25		3.25
VI	RISK MANAGEMENT	1861UFMRM	2.25	2.25	2.25	2.25		2.25
	INTERNSHIP BASED PROJECT WORK	1962UFMIP	4	4	4	4	4	4
	VENTURE CAPITAL AND PRIVATE EQUITY	1863UFMVC	3	3	3	3		3
	STRATEGIC CORPORATE FINANCE	1864UFMSC F	4	4	4	4		4
	INDIRECT TAX-GST	1865UFMIT	2.5	2.5	2.5	2.5	2.5	2.5
	ORGANIZATIONAL BEHAVIOUR	1966UFMOB	2.25	2.25	2.25		2.25	2.25
		Average	3.11	3.12	3.07	3.08	3.20	3.11



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 F

### Bachelor of Management Studies (BMS):

**Table No. F.1: PO CO Mapping Matrix: Bachelor of Management Studies (BMS):  
Academic Year - 2021-22**

Se me ster	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	Finance Elective				Marketing Elective			
									PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
I	BUSINESS COMMUNICATION – I	2111UM SBC	*	*	*			*								
	FOUNDATION COURSE – I	2112UM SFC	*	*												
	FOUNDATION OF HUMAN SKILLS	2013UM SHS	*		*	*	*									
	BUSINESS LAW	2114UM SBL	*		*		*									
	BUSINESS STATISTICS	2015UM SBS	*	*			*	*								
	INTRODUCTION TO FINANCIAL ACCOUNTS	2116UM SFA	*	*		*		*								
	PRINCIPLES OF MANAGEMENT	2017UM SPM	*	*	*	*		*								
II	BUSINESS COMMUNICATION-II	2121UM SBC	*	*	*			*								
	FOUNDATION COURSE -II (VALUE EDUCATION AND SOFT SKILLS )	2122UM SFC	*	*	*	*										
	BUSINESS ENVIRONMENT	2023UM SBV	*	*			*	*								
	BUSINESS MATHEMATICS	2024UM SBM	*	*			*	*								
	INDUSTRIAL LAW	2125UM	*		*		*									

*MS. S. H. S.*

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		SIL														
	PRINCIPLES OF MARKETING	2026UM SPM	*	*	*	*	*	*								
	BUSINESS ECONOMICS - I	2027UM SBE	*	*			*									
III	PERSONAL EFFECTIVENESS MANAGEMENT	2131UM SPEM	*		*	*		*								
	BUSINESS PLANNING AND ENTREPRENEURSHIP MANAGEMENT	2132UM SBEM	*	*	*	*	*	*								
	ACCOUNTING FOR MANAGERIAL DECISIONS	2133UM SAMD	*	*			*	*								
	STRATEGIC MANAGEMENT	2134UM SSM	*	*		*	*	*								
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT - I	2135UM SITB	*	*	*			*								
	EQUITY AND DEBT MARKET	2136UM SEDM							*	*	*	*				
	CORPORATE FINANCE	2137UM SCF							*	*	*	*				
	BASICS OF FINANCIAL SERVICES	2136UM SBFS							*		*	*				
	INTRODUCTION TO COST ACCOUNTING	2136UM SICA							*	*	*					
	CONSUMER BEHAVIOUR	2136UM SCB											*	*	*	*
	PRODUCT INNOVATIONS	2137UM SPIM											*	*	*	*

  
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IV	MANAGEMENT															
	ADVERTISING	2137UM SAD											*	*	*	*
	SOCIAL MARKETING	2137UM SSM											*	*	*	*
	BUSINESS ECONOMICS- II	2141UM SBE	*	*			*	*								
	BUSINESS RESEARCH METHODS	2142UM SBRM	*	*	*	*	*	*								
	CHANGE MANAGEMENT	2143UM SCM	*	*	*	*	*									
	PRODUCTION & TOTAL QUALITY MANAGEMENT	2144UM SPQM	*	*			*									
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT- II	2145UM SIBM	*	*	*			*								
	STRATEGIC COST MANAGEMENT	2146UM SSCM							*	*	*	*				
	CORPORATE RESTRUCTURING	2147UM SCR							*	*	*	*				
	FINANCIAL INSTITUTIONS & MARKETS	2146UM SFIM							*	*	*	*				
	AUDITING	2146UM SA							*	*	*					
	INTEGRATED MARKETING COMMUNICATION	2146UM SIMC											*	*	*	*
	EVENT MARKETING	2147UM SEM											*		*	*
	RURAL MARKETING	2147UM SRM											*	*	*	*

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	TOURISM MARKETING	2147UM STM											*	*		*
V	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	1851UM SLSM	*	*	*		*									
	ANALYTICAL SKILLS FOR MANAGERS	1952UM SASM	*	*			*	*								
	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT	1853UM SIPM							*	*	*	*				
	WEALTH MANAGEMENT	1854UM SWM							*	*	*	*				
	DIRECT TAXES	1855UM SDT							*	*	*	*				
	COMMODITY AND DERIVATIVES MARKET	1856UM SCDM							*	*	*	*				
	FINANCIAL ACCOUNTING	1953UM SFA							*	*	*	*				
	RISK MANAGEMENT	1953UM SRM							*	*		*				
	SERVICE MARKETING	1853UM SSM											*	*	*	*
	E-COMMERCE AND DIGITAL MARKETING	1854UM SEDM											*	*		*
	SALES AND DISTRIBUTION MANAGEMENT	1855UM SSDM											*	*	*	*
	CUSTOMER RELATIONSHIP MANAGEMENT	1956UM SCRM											*	*	*	*
	INDUSTRIAL	1954UM											*			*

  
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**Table No. F.2: CO Attainment Level: Bachelor of Management Studies (BMS)**  
**Academic Year - 2020-21**

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	BUSINESS COMMUNICATION – I	2111UMSBC	3.4	2	Fully Attained	NA
	FOUNDATION COURSE – I	2112UMSFC	3.4	2	Fully Attained	NA
	FOUNDATION OF HUMAN SKILLS	2013UMSHS	3.4	2	Fully Attained	NA
	BUSINESS LAW	2114UMSBL	3	2	Fully Attained	NA
	BUSINESS STATISTICS	2015UMSBS	3	2	Fully Attained	NA
	INTRODUCTION TO FINANCIAL ACCOUNTS	2116UMSFA	3	2	Fully Attained	NA
	PRINCIPLES OF MANAGEMENT	2017UMSPM	3	2	Fully Attained	NA
II	BUSINESS COMMUNICATION-II	2121UMSBC	2.4	2	Fully Attained	NA
	FOUNDATION COURSE -II (VALUE EDUCATION AND SOFT SKILLS )	2122UMSFC	2.8	2	Fully Attained	NA
	BUSINESS ENVIRONMENT	2023UMSBV	2.2	2	Fully Attained	NA
	BUSINESS MATHEMATICS	2024UMSBM	2.8	2	Fully Attained	NA
	INDUSTRIAL LAW	2125UMSIL	3	2	Fully Attained	NA
	PRINCIPLES OF MARKETING	2026UMSPM	2.4	2	Fully Attained	NA
	BUSINESS ECONOMICS - I	2027UMSBE	2.4	2	Fully Attained	NA
III	PERSONAL EFFECTIVENESS MANAGEMENT	2131UMSPEM	3.4	2	Fully Attained	NA
	BUSINESS PLANNING AND ENTREPRENEURSHIP MANAGEMENT	2132UMSBEM	3	2	Fully Attained	NA
	ACCOUNTING FOR	2133UMSAMD	2.4	2	Fully Attained	NA

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	MANAGERIAL DECISIONS					
	STRATEGIC MANAGEMENT	2134UMSSM	3.4	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT – I	2135UMSITB	3	2	Fully Attained	NA
	EQUITY AND DEBT MARKET	2136UMSEDM	3.4	2	Fully Attained	NA
	CORPORATE FINANCE	2137UMSCF	3	2	Fully Attained	NA
	BASICS OF FINANCIAL SERVICES	2136UMSBFS	NA	2	Fully Attained	NA
	INTRODUCTION TO COST ACCOUNTING	2136UMSICA	NA	2	Fully Attained	NA
	CONSUMER BEHAVIOUR	2136UMSCB	3.4	2	Fully Attained	NA
	PRODUCT INNOVATIONS MANAGEMENT	2137UMSPIM	2.4	2	Fully Attained	NA
	ADVERTISING	2137UMSAD	NA	2	Fully Attained	NA
	SOCIAL MARKETING	2137UMSSM	NA	2	Fully Attained	NA
IV	BUSINESS ECONOMICS- II	2141UMSBE	3	2	Fully Attained	NA
	BUSINESS RESEARCH METHODS	2142UMSBRM	3	2	Fully Attained	NA
	CHANGE MANAGEMENT	2143UMSCM	3.6	2	Fully Attained	NA
	PRODUCTION & TOTAL QUALITY MANAGEMENT	2144UMSPQM	3.4	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT- II	2145UMSIBM	3.6	2	Fully Attained	NA
	STRATEGIC COST MANAGEMENT	2146UMSSCM	2.4	2	Fully Attained	NA
	CORPORATE RESTRUCTURING	2147UMSCR	3	2	Fully Attained	NA
	FINANCIAL INSTITUTIONS & MARKETS	2146UMSFIM	NA	2	Fully Attained	NA
	AUDITING	2146UMSA	NA	2	Fully Attained	NA

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	INTEGRATED MARKETING COMMUNICATION	2146UMSIMC	3	2	Fully Attained	NA
	EVENT MARKETING	2147UMSEM	3	2	Fully Attained	NA
	RURAL MARKETING	2147UMSRM	NA	2	Fully Attained	NA
	TOURISM MARKETING	2147UMSTM	NA	2	Fully Attained	NA
V	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	1851UMSLSM	4.25	2	Fully Attained	NA
	ANALYTICAL SKILLS FOR MANAGERS	1952UMSASM	3.5	2	Fully Attained	NA
	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT	1853UMSIPM	3.25	2	Fully Attained	NA
	WEALTH MANAGEMENT	1854UMSWM	3.25	2	Fully Attained	NA
	DIRECT TAXES	1855UMSDT	3.5	2	Fully Attained	NA
	COMMODITY AND DERIVATIVES MARKET	1856UMSCDM	3.25	2	Fully Attained	NA
	FINANCIAL ACCOUNTING	1953UMSFA	NA	2	Fully Attained	NA
	RISK MANAGEMENT	1953UMSRM	NA	2	Fully Attained	NA
	SERVICE MARKETING	1853UMSSM	3	2	Fully Attained	NA
	E-COMMERCE AND DIGITAL MARKETING	1854UMSEDM	3	2	Fully Attained	NA
	SALES AND DISTRIBUTION MANAGEMENT	1855UMSSDM	3	2	Fully Attained	NA
	CUSTOMER RELATIONSHIP MANAGEMENT	1956UMSCRM	3.25	2	Fully Attained	NA
	INDUSTRIAL MARKETING	1954UMSIM	NA	2	Fully Attained	NA
	STRATEGIC MARKETING MANAGEMENT	1954UMSSMM	NA	2	Fully Attained	NA
VI	OPERATION RESEARCH	1861UMSOR	3.25	2	Fully Attained	NA
	RESEARCH BASED PROJECT WORK	1862UMSRPW	4.25	2	Fully Attained	NA
	INTERNATIONAL FINANCE	1863UMSIF	3.5	2	Fully Attained	NA

  
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	INNOVATIVE FINANCIAL SERVICES	1864UMSIFS	3	2	Fully Attained	NA
	PROJECT MANAGEMENT	1865UMSPM	3.25	2	Fully Attained	NA
	INDIRECT TAXES	1866UMSIDT	2.75	2	Fully Attained	NA
	STRATEGIC FINANCIAL MANAGEMENT	1963UMSSFMM	NA	2	Fully Attained	NA
	FINANCING RURAL DEVELOPMENT	1963UMSFRD	NA	2	Fully Attained	NA
	BRAND MANAGEMENT	1863UMSBM	3	2	Fully Attained	NA
	RETAIL MANAGEMENT	1864UMSRM	3.25	2	Fully Attained	NA
	SPORTS MARKETING	1965UMSSM	3.5	2	Fully Attained	NA
	MEDIA PLANNING AND MANAGEMENT	1866UMSMMPM	3.75	2	Fully Attained	NA
	INTERNATIONAL MARKETING	1864UMSIM	NA	2	Fully Attained	NA
	MARKETING FOR NON-PROFIT ORGANIZATION	1964UMSMNO	NA	2	Fully Attained	NA
		Average	3.14			
<i>NA: Not Applicable as target level is fully attained. Also in some cases course is offered by institution but not opted by students.</i>						

**Table No.F.2a: PO Attainment Level- Bachelor of Management Studies (BMS)-2021-22**

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

**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. F.3: Results of CO-PO attainment-Bachelor of Management Studies (BMS)-Academic Year 2020-21**

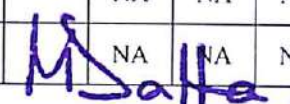
Seme ster	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	Finance Elective				Marketing Elective			
									PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7	PSO 8
I	BUSINESS COMMUNICATION – I	2111UMS BC	3.4	3.4	3.4			3.4								
	FOUNDATION COURSE – I	2112UMS FC	3.4	3.4												
	FOUNDATION OF HUMAN SKILLS	2013UMS HS	3.4		3.4	3.4	3.4									
	BUSINESS LAW	2114UMS BL	3		3		3									
	BUSINESS STATISTICS	2015UMS BS	3	3			3	3								
	INTRODUCTION TO FINANCIAL ACCOUNTS	2116UMS FA	3	3		3		3								
	PRINCIPLES OF MANAGEMENT	2017UMS PM	3	3	3	3		3								
II	BUSINESS COMMUNICATION-II	2121UMS BC	2.4	2.4	2.4			2.4								
	FOUNDATION COURSE -II (VALUE EDUCATION AND SOFT SKILLS )	2122UMS FC	2.8	2.8	2.8	2.8										
	BUSINESS ENVIRONMENT	2023UMS BV	2.2	2.2			2.2	2.2								
	BUSINESS MATHEMATICS	2024UMS BM	2.8	2.8			2.8	2.8								
	INDUSTRIAL LAW	2125UMSI L	3		3		3									
	PRINCIPLES OF MARKETING	2026UMS PM	2.4	2.4	2.4	2.4	2.4	2.4								
	BUSINESS	2027UMS	2.4	2.4			2.4									

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	ECONOMICS - I	BE														
III	PERSONAL EFFECTIVENESS MANAGEMENT	2131UMS PEM	3.4		3.4	3.4		3.4								
	BUSINESS PLANNING AND ENTREPRENEURSHIP MANAGEMENT	2132UMS BEM	3	3	3	3	3	3								
	ACCOUNTING FOR MANAGERIAL DECISIONS	2133UMS AMD	2.4	2.4			2.4	2.4								
	STRATEGIC MANAGEMENT	2134UMS SM	3.4	3.4		3.4	3.4	3.4								
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT - I	2135UMSI TB	3	3	3			3								
	EQUITY AND DEBT MARKET	2136UMS EDM							3.4	3.4	3.4	3.4				
	CORPORATE FINANCE	2137UMS CF							3	3	3	3				
	BASICS OF FINANCIAL SERVICES	2136UMS BFS							NA		NA	NA				
	INTRODUCTION TO COST ACCOUNTING	2136UMSI CA							NA	NA	NA					
	CONSUMER BEHAVIOUR	2136UMS CB											3.4	3.4	3.4	3.4
	PRODUCT INNOVATIONS MANAGEMENT	2137UMS PIM											2.4	2.4	2.4	2.4
	ADVERTISING	2137UMS AD											NA	NA	NA	NA
	SOCIAL MARKETING	2137UMS SM											NA	NA	NA	NA

  
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IV	BUSINESS ECONOMICS- II	2141UMS BE	3	3			3	3								
	BUSINESS RESEARCH METHODS	2142UMS BRM	3	3	3	3	3	3								
	CHANGE MANAGEMENT	2143UMS CM	3.6	3.6	3.6	3.6	3.6									
	PRODUCTION & TOTAL QUALITY MANAGEMENT	2144UMS PQM	3.4	3.4			3.4									
	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT- II	2145UMSI BM	3.6	3.6	3.6			3.6								
	STRATEGIC COST MANAGEMENT	2146UMS SCM							2.4	2.4	2.4	2.4				
	CORPORATE RESTRUCTURING	2147UMS CR							3	3	3	3				
	FINANCIAL INSTITUTIONS & MARKETS	2146UMS FIM							NA	NA	NA	NA				
	AUDITING	2146UMS A							NA	NA	NA					
	INTEGRATED MARKETING COMMUNICATION	2146UMSI MC											3	3	3	3
	EVENT MARKETING	2147UMS EM											3		3	3
	RURAL MARKETING	2147UMS RM											NA	NA	NA	NA
	TOURISM MARKETING	2147UMS TM											NA	NA		NA
V	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	1851UMS LSM	4.25	4.25	4.25		4.25									

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	ANALYTICAL SKILLS FOR MANAGERS	1952UMS ASM	3.5	3.5			3.5	3.5								
	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT	1853UMSI PM							3.25	3.25	3.25	3.25				
	WEALTH MANAGEMENT	1854UMS WM							3.25	3.25	3.25	3.25				
	DIRECT TAXES	1855UMS DT							3.5	3.5	3.5	3.5				
	COMMODITY AND DERIVATIVES MARKET	1856UMS CDM							3.25	3.25	3.25	3.25				
	FINANCIAL ACCOUNTING	1953UMS FA							NA	NA	NA	NA				
	RISK MANAGEMENT	1953UMS RM							NA	NA		NA				
	SERVICE MARKETING	1853UMS SM											3	3	3	3
	E-COMMERCE AND DIGITAL MARKETING	1854UMS EDM											3	3		3
	SALES AND DISTRIBUTION MANAGEMENT	1855UMS SDM											3	3	3	3
	CUSTOMER RELATIONSHIP MANAGEMENT	1956UMS CRM											3.25	3.25	3.25	3.25
	INDUSTRIAL MARKETING	1954UMSI M											NA	NA		NA
	STRATEGIC MARKETING MANAGEMENT	1954UMS SMM											NA	NA	NA	NA
VI	OPERATION RESEARCH	1861UMS OR	3.25	3.25	3.25		3.25	3.25								

  
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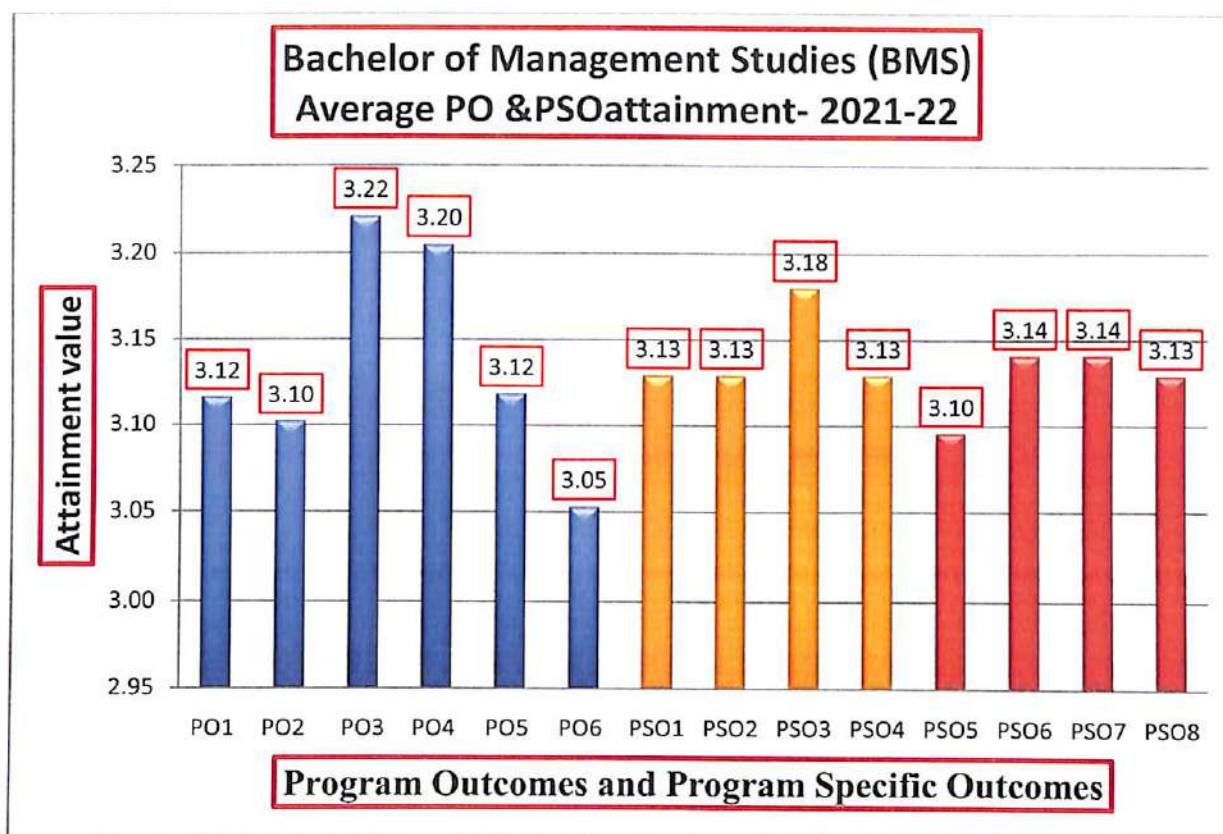


RESEARCH BASED PROJECT WORK	1862UMS RPW	4.25	4.25	4.25	4.25	4.25	4.25									
INTERNATIONAL FINANCE	1863UMSI F							3.5	3.5	3.5	3.5					
INNOVATIVE FINANCIAL SERVICES	1864UMSI FS							3	3		3					
PROJECT MANAGEMENT	1865UMS PM							3.25	3.25	3.25	3.25					
INDIRECT TAXES	1866UMSI DT							2.75	2.75		2.75					
STRATEGIC FINANCIAL MANAGEMENT	1963UMS SFM							NA	NA	NA	NA					
FINANCING RURAL DEVELOPMENT	1963UMS FRD							NA		NA	NA					
BRAND MANAGEMENT	1863UMS BM											3	3	3	3	
RETAIL MANAGEMENT	1864UMS RM											3.25	3.25	3.25	3.25	
SPORTS MARKETING	1965UMS SM												3.5	3.5	3.5	
MEDIA PLANNING AND MANAGEMENT	1866UMS MPM											3.75	3.75	3.75	3.75	
INTERNATIONAL MARKETING	1864UMSI M											NA		NA	NA	
MARKETING FOR NON- PROFIT ORGANIZATION	1964UMS MNO												NA	NA	NA	
	Average	3.12	3.10	3.22	3.20	3.12	3.05	3.13	3.13	3.18	3.13	3.10	3.14	3.14	3.13	

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From above graph, it is observed that average PO attainment value for all but two 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 G

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

Table No. G.1: PO CO Mapping Matrix:

Bachelor of Science (Computer Science) - B. Sc. CS): Academic Year -2021-22

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	COMMUNICATION SKILLS	2111UISCS	*			*			*	*	*	*
	WEB PROGRAMMING I	2112UISWP	*		*	*	*		*	*		*
	INTRODUCTION TO PROGRAMMING	2113UISIS	*	*		*	*	*			*	*
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS	2114UISCE	*	*	*	*		*				
	OPERATING SYSTEMS	2115UISOS	*	*	*	*			*	*		*
	DISCRETE MATHEMATICS-I	2116UISDM	*	*				*				
	WEB PROGRAMMING I PRACTICAL	2112UISWPP	*	*	*	*	*	*			*	*
	INTRODUCTION TO PROGRAMMING PRACTICAL	2113UISISP	*	*	*	*	*	*			*	*
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS PRACTICAL	2114UISCEP	*	*	*	*		*	*	*		*
	OPERATING SYSTEMS PRACTICAL	2115UISOSP	*	*	*	*	*	*			*	*
II	IT PLATFORMS, TOOLS AND PRACTICES	2121UISTP	*	*		*	*		*	*	*	*
	WEB PROGRAMMING II	2122UISWP	*				*			*	*	*
	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON	2123UISDP	*	*	*		*		*	*		*

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	OBJECT ORIENTED PROGRAMMING	2124UISOP	*	*		*			*	*	*	*
	DATABASE MANAGEMENT SYSTEMS I	2125UISDB	*		*	*			*	*		*
	DISCRETE MATHEMATICS II	2126UISDM	*	*				*		*		
	WEB PROGRAMMING II PRACTICAL	2122UISWPP	*	*	*	*	*			*	*	*
	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON PRACTICAL	2123UISDPP	*	*	*	*	*	*		*	*	*
	OBJECT ORIENTED PROGRAMMING PRACTICAL	2124UISOPP	*	*	*	*	*			*	*	*
	DATABASE MANAGEMENT SYSTEMS I PRACTICAL	2125UISDBP	*	*	*		*			*	*	*
III	CORE JAVA	2131UISCJ	*	*	*					*	*	*
	DATA STRUCTURES	2132UISDS	*	*	*		*			*		*
	COMPUTER NETWORKS	2133UISCN	*	*	*				*	*		*
	DATABASE MANAGEMENT SYSTEMS-II	2134UISDB	*	*	*					*	*	*
	DESCRIPTIVE STATISTICS	2135UISST	*	*	*	*	*	*				
	ADVANCED WEB PROGRAMMING - I	2136UISAW	*	*	*					*		*
	HYBRID MOBILE APPLICATION DEVELOPMENT 1	2136UISMD	*	*	*	*				*	*	*
	COMPUTER GRAPHICS AND ANIMATION	2137UISCG	*	*	*	*	*	*		*		*
	EMBEDDED SYSTEMS	2137UISES	*	*	*					*		*
	THEORY OF COMPUTATION I	2137UCSTC	*			*			*	*	*	*

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	CORE JAVA PRACTICAL	2131UISPR	*	*	*					*	*	*
	DATA STRUCTURES PRACTICAL	2132UISPR	*	*	*		*			*		*
	COMPUTER NETWORKS PRACTICAL	2133UISPR	*	*	*				*	*		*
	DATABASE MANAGEMENT SYSTEMS- II PRACTICAL	2134UISPR	*	*	*					*	*	*
	ADVANCED WEB PROGRAMMING - I PRACTICAL	2136UISAWPR	*	*	*					*		*
	HYBRID MOBILE APPLICATION DEVELOPMENT I PRACTICAL	2136UISMDPR	*	*	*	*				*		*
	COMPUTER GRAPHICS AND ANIMATION PRACTICAL	2137UISCGRP	*	*	*	*	*	*		*		*
	EMBEDDED SYSTEMS PRACTICAL	2137UISESPR	*	*	*					*		*
	THEORY OF COMPUTATION I	2137UCSTCPR				*			*	*	*	*
IV	DESIGN PATTERNS	2141UISDP	*	*	*	*		*		*		
	DESIGN AND ANALYSIS OF ALGORITHMS	2142UISDA	*	*	*	*	*	*		*	*	*
	SYSTEM PROGRAMMING	2143UISSP	*	*	*	*				*		*
	SOFTWARE ENGINEERING	2144UISSE	*	*	*	*	*			*		*
	PROBABILITY THEORY	2145UISPT	*	*	*	*	*	*		*		*
	ADVANCED WEB PROGRAMMING - II	2146UISAW	*	*	*	*						*
	HYBRID MOBILE APPLICATION DEVELOPMENT II	2146UISMD	*	*	*	*				*	*	*

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ADVANCED JAVA	2146UISAJ	*	*	*					*		*
MULTIMEDIA SYSTEMS	2147UISMM	*	*	*	*			*	*		*
INTERNET OF THINGS	2147UISIT	*	*	*	*				*		*
THEORY OF COMPUTATION II	2147UCSTC	*		*	*			*	*		*
DESIGN PATTERNS PRACTICAL	2141UISPR	*	*	*	*		*		*		
DESIGN AND ANALYSIS OF ALGORITHMS PRACTICAL	2142UISPR	*	*	*	*	*	*		*	*	*
SYSTEM PROGRAMMING PRACTICAL	2143UISPR	*	*	*	*				*		*
SOFTWARE ENGINEERING PRACTICAL	2144UISPR	*	*	*	*	*			*		*
ADVANCED WEB PROGRAMMING - II PRACTICAL	2146UISAWPR	*	*	*	*						*
HYBRID MOBILE APPLICATION DEVELOPMENT II PRACTICAL	2146UISMDPR	*	*	*	*				*	*	*
ADVANCED JAVA PRACTICAL	2146UISAJPR	*	*	*					*		*
MULTIMEDIA SYSTEMS PRACTICAL	2147UISMSPR	*	*	*	*			*	*		*
INTERNET OF THINGS PRACTICAL	2147UISITPR	*	*	*	*				*		*
THEORY OF COMPUTATION II PRACTICAL	2147UCSTCPR	*		*	*			*	*		*
DATA AND NETWORK SECURITY	2151UCSDN	*	*	*	*				*	*	*
OPTIMIZATION TECHNIQUES	2152UCSOT	*	*	*	*	*	*		*	*	*

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V	WEB SERVICES	2153UCSWS	*	*	*	*				*	*	*
	ETHICAL HACKING	2153UCSEH	*	*	*	*	*	*	*	*	*	*
	INTRODUCTION TO BIG DATA ANALYTICS	2153UCSBD	*	*	*	*				*	*	*
	WIRELESS SENSOR NETWORKS	2154UCSWN	*	*	*	*				*	*	*
	GAME PROGRAMMING	2154UCSGP	*	*	*	*	*	*		*	*	*
	WEB TECHNOLOGIES	2154UCSWT	*	*	*	*				*	*	*
	DATA AND NETWORK SECURITY PRACTICAL	2151UCSPR	*	*	*	*				*	*	*
	OPTIMIZATION TECHNIQUES PRACTICAL	2152UCSPR	*	*	*	*	*	*		*	*	*
	WEB SERVICES PRACTICAL	2153UCSWSPR	*	*	*	*				*	*	*
	ETHICAL HACKING PRACTICAL	2153UCSEHPR	*	*	*	*	*	*	*	*	*	*
	INTRODUCTION TO BIG DATA ANALYTICS PRACTICAL	2153UCSBDPR	*	*	*	*				*	*	*
	WIRELESS SENSOR NETWORKS PRACTICAL	2154UCSWNPR	*	*	*	*				*	*	*
	GAME PROGRAMMING PRACTICAL	2154UCSGPPR	*	*	*	*	*	*		*	*	*
	WEB TECHNOLOGIES PRACTICAL	2154UCSWTPR	*	*	*	*				*	*	*
	PROJECT IMPLEMENTATION	2155UCSPI	*	*	*	*	*	*	*	*	*	*
	BUILDING BLOCKS OF ARTIFICIAL INTELLIGENCE	2161UCSBA	*	*	*	*				*	*	*
	DATA SCIENCE	2162UCSDC	*	*	*	*	*	*		*	*	*
	CLOUD COMPUTING	2163UCSCC	*	*	*	*				*	*	*

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VI	CYBER FORENSICS	2163UCSCF	*	*	*	*	*	*	*	*	*	*	*
	MOBILE AND PERVASIVE COMPUTING	2164UCSMP	*	*	*	*	*	*		*	*	*	
	DIGITAL IMAGE PROCESSING	2164UCSDI	*	*	*	*	*	*		*	*	*	
	BUILDING BLOCKS OF ARTIFICIAL INTELLIGENCE PRACTICAL	2161UCSPR	*	*	*	*				*	*	*	
	DATA SCIENCE PRACTICAL	2162UCSPR	*	*	*	*	*	*		*	*	*	
	CLOUD COMPUTING PRACTICAL	2163UCSCCPR	*	*	*	*				*	*	*	
	CYBER FORENSICS PRACTICAL	2163UCSCFPR	*	*	*	*			*	*	*	*	
	MOBILE AND PERVASIVE COMPUTING PRACTICAL	2164UCSMPPR	*	*	*	*	*	*		*	*	*	
	DIGITAL IMAGE PROCESSING PRACTICAL	2164UCSDIPR	*	*	*	*	*	*		*	*	*	
	PROJECT IMPLEMENTATION	2165UCSPI	*	*	*	*	*	*	*	*	*	*	

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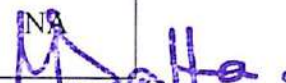


**Table No. G.2: CO Attainment Level: Bachelor of Science- B. Sc. (Computer Science)**  
**Academic Year - 2021-22**

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	COMMUNICATION SKILLS	2111UISCS	2	2	Fully Attained	NA
	WEB PROGRAMMING I	2112UISWP	2.6	2	Fully Attained	NA
	INTRODUCTION TO PROGRAMMING	2113UISIP	2	2	Fully Attained	NA
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS	2114UISCE	2.6	2	Fully Attained	NA
	OPERATING SYSTEMS	2115UISOS	2.8	2	Fully Attained	NA
	DISCRETE MATHEMATICS-I	2116UISDM	2	2	Fully Attained	NA
	WEB PROGRAMMING I PRACTICAL	2112UISWPP	4	2	Fully Attained	NA
	INTRODUCTION TO PROGRAMMING PRACTICAL	2113UISIPP	2	2	Fully Attained	NA
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS PRACTICAL	2114UISCEP	2	2	Fully Attained	NA
	OPERATING SYSTEMS PRACTICAL	2115UISOSP	2	2	Fully Attained	NA
	IT PLATFORMS, TOOLS AND PRACTICES	2121UISTP	3.4	2	Fully Attained	NA
	WEB PROGRAMMING II	2122UISWP	2	2	Fully Attained	NA
	PROGRAMMING AND APPLICATION	2123UISDP	2.4	2	Fully Attained	NA

  
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II	DEVELOPMENT IN PYTHON					
	OBJECT ORIENTED PROGRAMMING	2124UISOP	3	2	Fully Attained	NA
	DATABASE MANAGEMENT SYSTEMS I	2125UISDB	2.8	2	Fully Attained	NA
	DISCRETE MATHEMATICS II	2126UISDM	2.8	2	Fully Attained	NA
	WEB PROGRAMMING II PRACTICAL	2122UISWPP	2	2	Fully Attained	NA
	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON PRACTICAL	2123UISDPP	3	2	Fully Attained	NA
	OBJECT ORIENTED PROGRAMMING PRACTICAL	2124UISOPP	4	2	Fully Attained	NA
	DATABASE MANAGEMENT SYSTEMS I PRACTICAL	2125UISDBP	4	2	Fully Attained	NA
III	CORE JAVA	2131UISCJ	2.4	2	Fully Attained	NA
	DATA STRUCTURES	2132UISDS	2.8	2	Fully Attained	NA
	COMPUTER NETWORKS	2133UISCN	2.8	2	Fully Attained	NA
	DATABASE MANAGEMENT SYSTEMS- II	2134UISDB	2.8	2	Fully Attained	NA
	DESCRIPTIVE STATISTICS	2135UISST	2.6	2	Fully Attained	NA
	ADVANCED WEB PROGRAMMING - I	2136UISAW	2.8	2	Fully Attained	NA
	HYBRID MOBILE APPLICATION DEVELOPMENT I	2136UISMD	2.6	2	Fully Attained	NA

  
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	COMPUTER GRAPHICS AND ANIMATION	2137UISC	3	2	Fully Attained	NA
	EMBEDDED SYSTEMS	2137UISE	2.4	2	Fully Attained	NA
	THEORY OF COMPUTATION I	2137UCSTC	NA	NA	NA	NA
	CORE JAVA PRACTICAL	2131UISPR	4	2	Fully Attained	NA
	DATA STRUCTURES PRACTICAL	2132UISPR	4	2	Fully Attained	NA
	COMPUTER NETWORKS PRACTICAL	2133UISPR	3	2	Fully Attained	NA
	DATABASE MANAGEMENT SYSTEMS- II PRACTICAL	2134UISPR	3	2	Fully Attained	NA
	ADVANCED WEB PROGRAMMING - I PRACTICAL	2136UISAWPR	3	2	Fully Attained	NA
	HYBRID MOBILE APPLICATION DEVELOPMENT I PRACTICAL	2136UISMDPR	4	2	Fully Attained	NA
	COMPUTER GRAPHICS AND ANIMATION PRACTICAL	2137UISC	4	2	Fully Attained	NA
	EMBEDDED SYSTEMS PRACTICAL	2137UISE	3	2	Fully Attained	NA
	THEORY OF COMPUTATION I	2137UCSTC	NA	NA	NA	NA
IV	DESIGN PATTERNS	2141UISDP	2.4	2	Fully Attained	NA
	DESIGN AND ANALYSIS OF ALGORITHMS	2142UISDA	3	2	Fully Attained	NA
	SYSTEM PROGRAMMING	2143UISSP	3	2	Fully Attained	NA
	SOFTWARE ENGINEERING	2144UISSE	2.4	2	Fully Attained	NA

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PROBABILITY THEORY	2145UISPT	3	2	Fully Attained	NA
ADVANCED WEB PROGRAMMING - II	2146UISAW	2.6	2	Fully Attained	NA
HYBRID MOBILE APPLICATION DEVELOPMENT II	2146UISMD	3.8	2	Fully Attained	NA
ADVANCED JAVA	2146UISAJ	NA	NA	NA	NA
MULTIMEDIA SYSTEMS	2147UISMM	3	2	Fully Attained	NA
INTERNET OF THINGS	2147UISIT	3	2	Fully Attained	NA
THEORY OF COMPUTATION II	2147UCSTC	NA	NA	NA	NA
DESIGN PATTERNS PRACTICAL	2141UISPR	3	2	Fully Attained	NA
DESIGN AND ANALYSIS OF ALGORITHMS PRACTICAL	2142UISPR	4	2	Fully Attained	NA
SYSTEM PROGRAMMING PRACTICAL	2143UISPR	3	2	Fully Attained	NA
SOFTWARE ENGINEERING PRACTICAL	2144UISPR	3	2	Fully Attained	NA
ADVANCED WEB PROGRAMMING - II PRACTICAL	2146UISAWPR	5	2	Fully Attained	NA
HYBRID MOBILE APPLICATION DEVELOPMENT II PRACTICAL	2146UISMDPR	4	2	Fully Attained	NA
ADVANCED JAVA PRACTICAL	2146UISAJPR	NA	NA	NA	NA
MULTIMEDIA SYSTEMS PRACTICAL	2147UISMSPR	3	2	Fully Attained	NA
INTERNET OF THINGS	2147UISITPR	4	2	Fully Attained	NA

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	PRACTICAL					
	THEORY OF COMPUTATION II PRACTICAL	2147UCSTCPR	NA	NA	NA	NA
V	DATA AND NETWORK SECURITY	2151UCSDN	2.5	2	Fully Attained	NA
	OPTIMIZATION TECHNIQUES	2152UCSOT	3.25	2	Fully Attained	NA
	WEB SERVICES	2153UCSWS	2.5	2	Fully Attained	NA
	ETHICAL HACKING	2153UCSEH	3	2	Fully Attained	NA
	INTRODUCTION TO BIG DATA ANALYTICS	2153UCSBD	NA	NA	NA	NA
	WIRELESS SENSOR NETWORKS	2154UCSWN	2.5	2	Fully Attained	NA
	GAME PROGRAMMING	2154UCSGP	3.25	2	Fully Attained	NA
	WEB TECHNOLOGIES	2154UCSWT	NA	NA	NA	NA
	DATA AND NETWORK SECURITY PRACTICAL	2151UCSPR	4	2	Fully Attained	NA
	OPTIMIZATION TECHNIQUES PRACTICAL	2152UCSPR	4	2	Fully Attained	NA
	WEB SERVICES PRACTICAL	2153UCSWSPR	3	2	Fully Attained	NA
	ETHICAL HACKING PRACTICAL	2153UCSEHPR	4	2	Fully Attained	NA
	INTRODUCTION TO BIG DATA ANALYTICS PRACTICAL	2153UCSBDPR	NA	NA	NA	NA
	WIRELESS SENSOR NETWORKS PRACTICAL	2154UCSWNPR	3	2	Fully Attained	NA
	GAME PROGRAMMING PRACTICAL	2154UCSGPPR	4	2	Fully Attained	NA
	WEB TECHNOLOGIES PRACTICAL	2154UCSWTPR	NA	NA	NA	NA

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	PROJECT IMPLEMENTATION	2155UCSPI	2	2	Fully Attained	NA
VI	BUILDING BLOCKS OF ARTIFICIAL INTELLIGENCE	2161UCSBA	2.25	2	Fully Attained	NA
	DATA SCIENCE	2162UCSDS	3	2	Fully Attained	NA
	CLOUD COMPUTING	2163UCSCC	NA	NA	NA	NA
	CYBER FORENSICS	2163UCSCF	3	2	Fully Attained	NA
	MOBILE AND PERVASIVE COMPUTING	2164UCSMP	NA	NA	NA	NA
	DIGITAL IMAGE PROCESSING	2164UCSDI	3	2	Fully Attained	NA
	BUILDING BLOCKS OF ARTIFICIAL INTELLIGENCE PRACTICAL	2161UCSPR	3	2	Fully Attained	NA
	DATA SCIENCE PRACTICAL	2162UCSPR	3	2	Fully Attained	NA
	CLOUD COMPUTING PRACTICAL	2163UCSCCPR	NA	NA	NA	NA
	CYBER FORENSICS PRACTICAL	2163UCSCFPR	3	2	Fully Attained	NA
	MOBILE AND PERVASIVE COMPUTING PRACTICAL	2164UCSMPPR	NA	NA	NA	NA
	DIGITAL IMAGE PROCESSING PRACTICAL	2164UCSDIPR	3	2	Fully Attained	NA
	PROJECT IMPLEMENTATION	2165UCSPI	2	2	Fully Attained	NA
	Average		2.99			
NA: Not Applicable as target level is fully attained. Also in some cases course is offered by institution but not opted by students.						

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**Table No.G.2a: PO Attainment Level- B. Sc. (Computer Science)-2021-22**

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

**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. G.3: Results of CO-PO attainment-  
Bachelor of Science (Computer Science)-B. Sc.(CS)-Academic Year 2021-22**

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	COMMUNICATION SKILLS	2111UISCS	2			2			2	2	2	2
	WEB PROGRAMMING I	2112UISWP	2.6		2.6	2.6	2.6		2.6	2.6		2.6
	INTRODUCTION TO PROGRAMMING	2113UISIS	2	2		2	2	2			2	2
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS	2114UISCE	2.6	2.6	2.6	2.6		2.6				
	OPERATING SYSTEMS	2115UISOS	2.8	2.8	2.8	2.8			2.8	2.8		2.8
	DISCRETE MATHEMATICS-I	2116UISDM	2	2				2				
	WEB PROGRAMMING I PRACTICAL	2112UISWPP	4	4	4	4	4	4			4	4
	INTRODUCTION TO PROGRAMMING PRACTICAL	2113UISISP	2	2	2	2	2	2			2	2

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	HYBRID MOBILE APPLICATION DEVELOPMENT 1	2136UISMD	2.6	2.6	2.6	2.6				2.6	2.6	2.6
	COMPUTER GRAPHICS AND ANIMATION	2137UISC	3	3	3	3	3	3		3		3
	EMBEDDED SYSTEMS	2137UISES	2.4	2.4	2.4					2.4		2.4
	CORE JAVA PRACTICAL	2131UISPR	4	4	4					4	4	4
	DATA STRUCTURES PRACTICAL	2132UISPR	4	4	4		4			4		4
	COMPUTER NETWORKS PRACTICAL	2133UISPR	3	3	3				3	3		3
	DATABASE MANAGEMENT SYSTEMS- II PRACTICAL	2134UISPR	3	3	3					3	3	3
	ADVANCED WEB PROGRAMMING - I PRACTICAL	2136UISAWPR	3	3	3					3		3
	HYBRID MOBILE APPLICATION DEVELOPMENT 1 PRACTICAL	2136UISMDPR	4	4	4	4				4		4
	COMPUTER GRAPHICS AND ANIMATION PRACTICAL	2137UISCGRP	4	4	4	4	4	4		4		4
	EMBEDDED SYSTEMS PRACTICAL	2137UISESPR	3	3	3					3		3
IV	DESIGN PATTERNS	2141UISDP	2.4	2.4	2.4	2.4		2.4		2.4		
	DESIGN AND ANALYSIS OF ALGORITHMS	2142UISDA	3	3	3	3	3	3		3	3	3
	SYSTEM PROGRAMMING	2143UISSP	3	3	3	3				3		3
	SOFTWARE ENGINEERING	2144UISSE	2.4	2.4	2.4	2.4	2.4			2.4		2.4
	PROBABILITY THEORY	2145UISPT	3	3	3	3	3	3		3		3
	ADVANCED WEB PROGRAMMING - II	2146UISAW	2.6	2.6	2.6	2.6						2.6
	HYBRID MOBILE APPLICATION DEVELOPMENT II	2146UISMD	3.8	3.8	3.8	3.8				3.8	3.8	3.8

  
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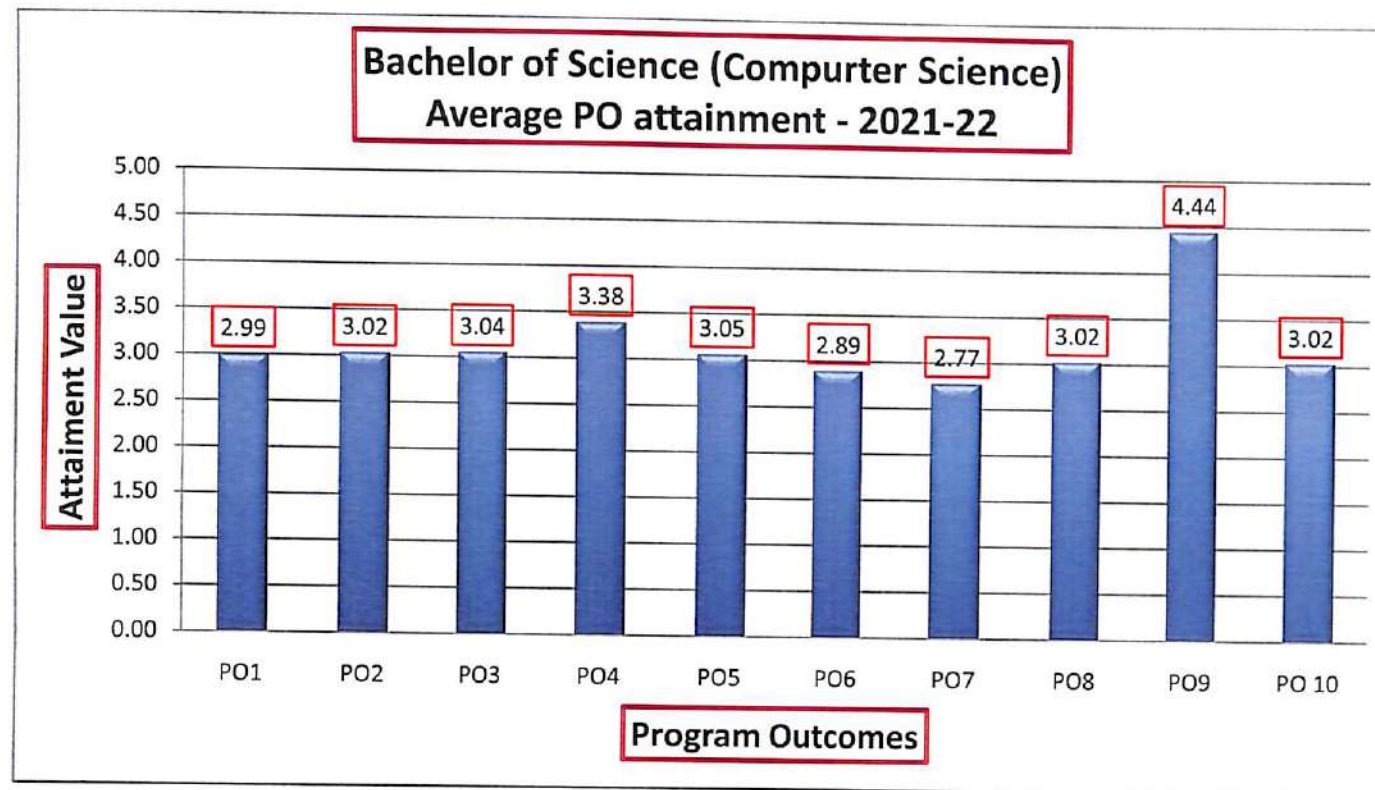


	WEB SERVICES PRACTICAL	2153UCSWSPR	3	3	3	3				3	3	3
	ETHICAL HACKING PRACTICAL	2153UCSEHPR	4	4	4	4	4		4	4	4	4
	WIRELESS SENSOR NETWORKS PRACTICAL	2154UCSWNPR	3	3	3	3				3	3	3
	GAME PROGRAMMING PRACTICAL	2154UCSGPPR	4	4	4	4	4	4		4	4	4
	PROJECT IMPLEMENTATION	2155UCSPI	2	2	2	2	2	2	2	2	2	2
VI	BUILDING BLOCKS OF ARTIFICIAL INTELLIGENCE	2161UCSBA	2.2 5	2.2 5	2.2 5	2.2 5				2.2 5	2.2 5	2.25
	DATA SCIENCE	2162UCSDC	3	3	3	3	3	3		3	3	3
	CYBER FORENSICS	2163UCSCF	3	3	3	3	3	3	3	3	3	3
	DIGITAL IMAGE PROCESSING	2164UCSDI	3	3	3	3	3	3		3	3	3
	BUILDING BLOCKS OF ARTIFICIAL INTELLIGENCE PRACTICAL	2161UCSPR	3	3	3	3				3	3	3
	DATA SCIENCE PRACTICAL	2162UCSPR	3	3	3	3	3	3		3	3	3
	CYBER FORENSICS PRACTICAL	2163UCSCFPR	3	3	3	3			3	3	3	3
	DIGITAL IMAGE PROCESSING PRACTICAL	2164UCSDIPR	3	3	3	3	3	3		3	3	3
	PROJECT IMPLEMENTATION	2165UCSPI	2	2	2	2	2	2	2	2	2	2
			2.9 9	3.0 2	3.0 4	3.3 8	3.0 5	2.8 9	2.7 7	3.0 2	4.4 4	3.02

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

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## ANNEXTURE H

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

Table No. H.1: PO CO Mapping Matrix:

Bachelor of Science (Information Technology) - B. Sc. (IT): Academic Year - 2021-22

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
I	COMMUNICATION SKILLS	2111UISCS	*			*			*	*	*	*
	WEB PROGRAMMING I	2112UISWP	*		*	*	*		*	*		*
	INTRODUCTION TO PROGRAMMING	2113UISIS	*	*		*	*	*			*	*
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS	2114UISCE	*	*	*	*		*				
	OPERATING SYSTEMS	2115UISOS	*	*	*	*			*	*		*
	DISCRETE MATHEMATICS-I	2116UISDM	*	*				*				
	WEB PROGRAMMING I PRACTICAL	2112UISWP P	*		*	*	*		*	*		*
	INTRODUCTION TO PROGRAMMING PRACTICAL	2113UISISP	*	*		*	*	*			*	*
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS PRACTICAL	2114UISCE P	*	*	*	*		*				
II	OPERATING SYSTEMS PRACTICAL	2115UISOS P	*	*	*	*			*	*		*
	IT PLATFORMS, TOOLS AND PRACTICES	2121UISTP	*	*		*	*		*	*	*	*
	WEB PROGRAMMING II	2122UISWP	*				*			*	*	

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	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON	2123UISDP	*	*	*		*		*	*		*
	OBJECT ORIENTED PROGRAMMING	2124UISOP	*	*		*			*	*	*	*
	DATABASE MANAGEMENT SYSTEMS I	2125UISDB	*		*	*			*	*		*
	DISCRETE MATHEMATICS II	2126UISDM	*	*				*		*		
	WEB PROGRAMMING II PRACTICAL	2122UISWP P	*				*			*	*	*
	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON PRACTICAL	2123UISDP P	*	*	*		*		*	*		*
	OBJECT ORIENTED PROGRAMMING PRACTICAL	2124UISOP P	*	*		*			*	*	*	*
	DATABASE MANAGEMENT SYSTEMS I PRACTICAL	2125UISDB P	*		*	*			*	*		*
III	CORE JAVA	2131UISCJ	*	*	*					*	*	*
	DATA STRUCTURES	2132UISDS	*	*	*		*			*		*
	COMPUTER NETWORKS	2133UISCN	*	*	*				*	*		*
	DATABASE MANAGEMENT SYSTEMS- II	2134UISDB	*	*	*					*	*	*
	DESCRIPTIVE STATISTICS	2135UISST	*	*	*	*	*	*				

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ADVANCED WEB PROGRAMMING - I	2136UISAW	*	*	*					*		*
HYBRID MOBILE APPLICATION DEVELOPMENT 1	2136UISMD	*	*	*	*				*	*	*
COMPUTER GRAPHICS AND ANIMATION	2137UISCG	*	*	*	*	*	*		*		*
EMBEDDED SYSTEMS	2137UISES	*	*	*					*		*
PRINCIPLES OF MANAGEMENT	2137UISPM	*			*			*	*	*	*
CORE JAVA PRACTICAL	2131UISPR	*	*	*					*	*	*
DATA STRUCTURES PRACTICAL	2132UISPR	*	*	*		*			*		*
COMPUTER NETWORKS PRACTICAL	2133UISPR	*	*	*				*	*		*
DATABASE MANAGEMENT SYSTEMS- II PRACTICAL	2134UISPR	*	*	*					*	*	*
ADVANCED WEB PROGRAMMING - I PRACTICAL	2136UISAW PR	*	*	*					*		*
HYBRID MOBILE APPLICATION DEVELOPMENT 1 PRACTICAL	2136UISMD PR	*	*	*	*				*		*
COMPUTER GRAPHICS AND ANIMATION PRACTICAL	2137UISCG PR	*	*	*	*	*	*		*		*
EMBEDDED SYSTEMS PRACTICAL	2137UISES PR	*	*	*					*		*

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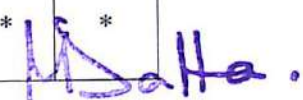
	PRINCIPLES OF MANAGEMENT PRACTICAL	2137UITPM PR	*			*			*	*	*	*
IV	DESIGN PATTERNS	2141UISDP	*	*	*	*		*		*		
	DESIGN AND ANALYSIS OF ALGORITHMS	2142UISDA	*	*	*	*	*	*		*	*	*
	SYSTEM PROGRAMMING	2143UISSP	*	*	*	*				*		*
	SOFTWARE ENGINEERING	2144UISSE	*	*	*	*	*			*		*
	PROBABILITY THEORY	2145UISPT	*	*	*	*	*	*		*		*
	ADVANCED WEB PROGRAMMING - II	2146UISAW	*	*	*	*						*
	HYBRID MOBILE APPLICATION DEVELOPMENT II	2146UISMD	*	*	*	*				*	*	*
	ADVANCED JAVA	2146UISAJ	*	*	*					*		*
	MULTIMEDIA SYSTEMS	2147UISM M	*	*	*	*			*	*		*
	INTERNET OF THINGS	2147UISIT	*	*	*	*				*		*
	PRINCIPLES OF MARKETING	2147UISPM	*		*	*			*	*		*
	DESIGN PATTERNS PRACTICAL	2141UISPR	*	*	*	*		*		*		
	DESIGN AND ANALYSIS OF ALGORITHMS PRACTICAL	2142UISPR	*	*	*	*	*	*		*	*	*
	SYSTEM PROGRAMMING PRACTICAL	2143UISPR	*	*	*	*				*		*
	SOFTWARE ENGINEERING PRACTICAL	2144UISPR	*	*	*	*	*			*		

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	ADVANCED WEB PROGRAMMING - II PRACTICAL	2146UISAW PR	*	*	*	*						*
	HYBRID MOBILE APPLICATION DEVELOPMENT II PRACTICAL	2146UISMD PR	*	*	*	*				*	*	*
	ADVANCED JAVA PRACTICAL	2146UISAJPR	*	*	*					*		*
	MULTIMEDIA SYSTEMS PRACTICAL	2147UISMS PR	*	*	*	*			*	*		*
	INTERNET OF THINGS PRACTICAL	2147UISITPR	*	*	*	*				*		*
	PRINCIPLES OF MARKETING PRACTICAL	2147UITPM PR	*		*	*			*	*		*
V	PRINCIPLES OF ARTIFICIAL INTELLIGENCE	2151UITPA	*	*	*	*				*	*	*
	DATA MINING AND WAREHOUSING	2152UITDW	*	*	*	*				*	*	*
	GEOGRAPHIC INFORMATION SYSTEMS	2153UITGS	*	*	*	*	*	*		*	*	*
	PERSONAL EFFECTIVENESS MANAGEMENT	2153UITPM	*	*	*	*			*	*	*	*
	FOUNDATIONS OF SOFTWARE TESTING	2154UITST	*	*	*	*				*	*	*
	CLOUD COMPUTING	2154UITCC	*	*	*	*				*	*	*
	NET TECHNOLOGIES	2154UITNT	*	*	*	*				*	*	*
	PRINCIPLES OF ARTIFICIAL INTELLIGENCE	2151UITPR	*	*	*	*				*	*	*

  
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	PRACTICAL											
	DATA MINING AND WAREHOUSING PRACTICAL	2152UITPR	*	*	*	*				*	*	*
	GEOGRAPHIC INFORMATION SYSTEMS PRACTICAL	2153UITGSPR	*	*	*	*	*	*		*	*	*
	PERSONAL EFFECTIVENESS MANAGEMENT PRACTICAL	2153UITPM PR	*	*	*	*			*	*	*	*
	FOUNDATIONS OF SOFTWARE TESTING PRACTICAL	2154UITST PR	*	*	*	*				*	*	*
	CLOUD COMPUTING PRACTICAL	2154UITCC PR	*	*	*	*				*	*	*
	NET TECHNOLOGIES PRACTICAL	2154UITNT PR	*	*	*	*				*	*	*
	PROJECT IMPLEMENTATION	2155UITPI	*	*	*	*	*	*	*	*	*	*
	INFORMATION SECURITY MANAGEMENT	2161UITIM	*	*	*	*				*	*	*
VI	BUSINESS INTELLIGENCE	2162UITBI	*	*	*	*				*	*	*
	REMOTE SENSING	2163UITRS	*	*	*	*	*	*		*	*	*
	EVENT MARKETING	2163UITEM	*	*	*	*			*	*	*	*
	PROJECT MANAGEMENT	2164UITPM	*	*	*	*	*	*	*	*	*	*
	CYBER LAWS AND INTRODUCTION TO BLOCKCHAIN	2164UITCL B	*	*	*	*				*	*	*

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INFORMATION SECURITY MANAGEMENT PRACTICAL	2161UITPR	*	*	*	*				*	*	*
BUSINESS INTELLIGENCE PRACTICAL	2162UITPR	*	*	*	*				*	*	*
REMOTE SENSING PRACTICAL	2163UITRS PR	*	*	*	*	*	*		*	*	*
EVENT MARKETING PRACTICAL	2163UITEM PR	*	*	*	*			*	*	*	*
PROJECT MANAGEMENT PRACTICAL	2164UITPM PR	*	*	*	*	*	*	*	*	*	*
CYBER LAWS AND INTRODUCTION TO BLOCKCHAIN PRACTICAL	2164UITLB PR	*	*	*	*				*	*	*
PROJECT IMPLEMENTATION	2165UITPI	*	*	*	*	*	*	*	*	*	*

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**Table No. H.2: CO Attainment Level: Bachelor of Science- B. Sc. (Information Technology)**  
**Academic Year - 2021-22**

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	COMMUNICATION SKILLS	2111UISCS	1.6	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	WEB PROGRAMMING I	2112UISWP	3	2	Fully Attained	NA
	INTRODUCTION TO PROGRAMMING	2113UISIS	2	2	Fully Attained	NA
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS	2114UISCE	3	2	Fully Attained	NA
	OPERATING SYSTEMS	2115UISOS	2.8	2	Fully Attained	NA
	DISCRETE MATHEMATICS-I	2116UISDM	2.4	2	Fully Attained	NA
	WEB PROGRAMMING I PRACTICAL	2112UISWPP	3	2	Fully Attained	NA
	INTRODUCTION TO PROGRAMMING PRACTICAL	2113UISISP	2	2	Fully Attained	NA
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS PRACTICAL	2114UISCEP	2	2	Fully Attained	NA
	OPERATING SYSTEMS PRACTICAL	2115UISOSP	2	2	Fully Attained	NA
	IT PLATFORMS,	2121UISTP	4	2	Fully Attained	NA

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II	TOOLS AND PRACTICES					
	WEB PROGRAMMING II	2122UISWP	2	2	Fully Attained	NA
	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON	2123UISDP	1.4	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	OBJECT ORIENTED PROGRAMMING	2124UISOP	3.4	2	Fully Attained	NA
	DATABASE MANAGEMENT SYSTEMS I	2125UISDB	2.8	2	Fully Attained	NA
	DISCRETE MATHEMATICS II	2126UISDM	2.4	2	Fully Attained	NA
	WEB PROGRAMMING II PRACTICAL	2122UISWPP	4	2	Fully Attained	NA
	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON PRACTICAL	2123UISDPP	3	2	Fully Attained	NA
	OBJECT ORIENTED PROGRAMMING PRACTICAL	2124UISOPP	4	2	Fully Attained	NA
	DATABASE MANAGEMENT SYSTEMS I PRACTICAL	2125UISDBP	2	2	Fully Attained	NA
	CORE JAVA	2131UISCJ	3.4	2	Fully Attained	NA
	DATA STRUCTURES	2132UISDS	2.4	2	Fully Attained	NA
	COMPUTER NETWORKS	2133UISCN	2.8	2	Fully Attained	NA

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III	DATABASE MANAGEMENT SYSTEMS- II	2134UISDB	2.4	2	Fully Attained	NA
	DESCRIPTIVE STATISTICS	2135UISST	2.6	2	Fully Attained	NA
	ADVANCED WEB PROGRAMMING - I	2136UISAW	2.8	2	Fully Attained	NA
	HYBRID MOBILE APPLICATION DEVELOPMENT I	2136UISMD	3	2	Fully Attained	NA
	COMPUTER GRAPHICS AND ANIMATION	2137UISCg	2.4	2	Fully Attained	NA
	EMBEDDED SYSTEMS	2137UISES	2.4	2	Fully Attained	NA
	PRINCIPLES OF MANAGEMENT	2137UISPM	NA	NA	NA	NA
	CORE JAVA PRACTICAL	2131UISPR	4	2	Fully Attained	NA
	DATA STRUCTURES PRACTICAL	2132UISPR	4	2	Fully Attained	NA
	COMPUTER NETWORKS PRACTICAL	2133UISPR	3	2	Fully Attained	NA
	DATABASE MANAGEMENT SYSTEMS- II PRACTICAL	2134UISPR	3	2	Fully Attained	NA
	ADVANCED WEB PROGRAMMING - I PRACTICAL	2136UISAWPR	3	2	Fully Attained	NA
	HYBRID MOBILE APPLICATION DEVELOPMENT I	2136UISMDPR	4	2	Fully Attained	NA

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	PRACTICAL					
	COMPUTER GRAPHICS AND ANIMATION PRACTICAL	2137UISCGPR	3	2	Fully Attained	NA
	EMBEDDED SYSTEMS PRACTICAL	2137UISESPR	3	2	Fully Attained	NA
	PRINCIPLES OF MANAGEMENT PRACTICAL	2137UITPMMPR	NA	NA	NA	NA
IV	DESIGN PATTERNS	2141UISDP	3.4	2	Fully Attained	NA
	DESIGN AND ANALYSIS OF ALGORITHMS	2142UISDA	3	2	Fully Attained	NA
	SYSTEM PROGRAMMING	2143UISSP	3	2	Fully Attained	NA
	SOFTWARE ENGINEERING	2144UISSE	2.2	2	Fully Attained	NA
	PROBABILITY THEORY	2145UISPT	3.2	2	Fully Attained	NA
	ADVANCED WEB PROGRAMMING - II	2146UISAW	2.6	2	Fully Attained	NA
	HYBRID MOBILE APPLICATION DEVELOPMENT II	2146UISMD	2.6	2	Fully Attained	NA
	ADVANCED JAVA	2146UISAJ	NA	NA	NA	NA
	MULTIMEDIA SYSTEMS	2147UISMM	3	2	Fully Attained	NA
	INTERNET OF THINGS	2147UISIT	2.4	2	Fully Attained	NA

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PRINCIPLES OF MARKETING	2147UISPM	NA	NA	NA	NA
DESIGN PATTERNS PRACTICAL	2141UISPR	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
DESIGN AND ANALYSIS OF ALGORITHMS PRACTICAL	2142UISPR	4	2	Fully Attained	NA
SYSTEM PROGRAMMING PRACTICAL	2143UISPR	3	2	Fully Attained	NA
SOFTWARE ENGINEERING PRACTICAL	2144UISPR	4	2	Fully Attained	NA
ADVANCED WEB PROGRAMMING - II PRACTICAL	2146UISAWPR	5	2	Fully Attained	NA
HYBRID MOBILE APPLICATION DEVELOPMENT II PRACTICAL	2146UISMDPR	3	2	Fully Attained	NA
ADVANCED JAVA PRACTICAL	2146UISAJPR	NA	NA	NA	NA
MULTIMEDIA SYSTEMS PRACTICAL	2147UISMSPR	2	2	Fully Attained	NA
INTERNET OF THINGS PRACTICAL	2147UISITPR	4	2	Fully Attained	NA
PRINCIPLES OF MARKETING PRACTICAL	2147UITPMPR	NA	NA	NA	NA

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V	PRINCIPLES OF ARTIFICIAL INTELLIGENCE	2151UITPA	2.25	2	Fully Attained	NA
	DATA MINING AND WAREHOUSING	2152UITDW	2.5	2	Fully Attained	NA
	GEOGRAPHIC INFORMATION SYSTEMS	2153UITGS	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	PERSONAL EFFECTIVENESS MANAGEMENT	2153UITPM	NA	NA	NA	NA
	FOUNDATIONS OF SOFTWARE TESTING	2154UITST	2.5	2	Fully Attained	NA
	CLOUD COMPUTING	2154UITCC	3	2	Fully Attained	NA
	.NET TECHNOLOGIES	2154UITNT	NA	NA	NA	NA
	PRINCIPLES OF ARTIFICIAL INTELLIGENCE PRACTICAL	2151UITPR	3	2	Fully Attained	NA
	DATA MINING AND WAREHOUSING PRACTICAL	2152UITPR	4	2	Fully Attained	NA
	GEOGRAPHIC INFORMATION SYSTEMS PRACTICAL	2153UITGSPR	4	2	Fully Attained	NA
	PERSONAL EFFECTIVENESS MANAGEMENT PRACTICAL	2153UITPMPR	NA	NA	NA	NA

  
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	FOUNDATIONS OF SOFTWARE TESTING PRACTICAL	2154UITSTPR	3	2	Fully Attained	NA
	CLOUD COMPUTING PRACTICAL	2154UITCCPR	2	2	Fully Attained	NA
	.NET TECHNOLOGIES PRACTICAL	2154UITNTPR	NA	NA	NA	NA
	PROJECT IMPLEMENTATION	2155UITPI	3	2	Fully Attained	NA
VI	INFORMATION SECURITY MANAGEMENT	2161UITIM	3.25	2	Fully Attained	NA
	BUSINESS INTELLIGENCE	2162UITBI	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	REMOTE SENSING	2163UITRS	2.25	2	Fully Attained	NA
	EVENT MARKETING	2163UITEM	NA	NA	NA	NA
	PROJECT MANAGEMENT	2164UITPM	3.25	2	Fully Attained	NA
	CYBER LAWS AND INTRODUCTION TO BLOCKCHAIN	2164UITCLB	NA	NA	NA	NA
	INFORMATION SECURITY MANAGEMENT PRACTICAL	2161UITPR	2	2	Fully Attained	NA
	BUSINESS INTELLIGENCE PRACTICAL	2162UITPR	3	2	Fully Attained	NA
	REMOTE SENSING PRACTICAL	2163UITRSPR	3	2	Fully Attained	NA

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	EVENT MARKETING PRACTICAL	2163UITEMPR	NA	NA	NA	NA
	PROJECT MANAGEMENT PRACTICAL	2164UITPMMPR	3	2	Fully Attained	NA
	CYBER LAWS AND INTRODUCTION TO BLOCKCHAIN PRACTICAL	2164UITLBPR	NA	NA	NA	NA
	PROJECT IMPLEMENTATION	2165UITPI	2	2	Fully Attained	NA
		Average	2.83			
<i>NA: Not Applicable as target level is fully attained. Also in some cases course is offered by institution but not opted by students.</i>						

**Table No. H.2a: PO Attainment Level- B. Sc. (Information Technology)-2020-21**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	5	4	Fully Attained	NA
<i>NA means not applicable as target is fully attained.</i>				

**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. H.3: Results of CO-PO attainment-  
B. Sc. (Information Technology)-B. Sc.(IT)-Academic Year 2021-22**

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
I	COMMUNICATION SKILLS	2111UISCS	1.6			1.6			1.6	1.6	1.6	1.6
	WEB PROGRAMMING I	2112UISWP	3		3	3	3		3	3		3
	INTRODUCTION TO PROGRAMMING	2113UISIS	2	2		2	2	2			2	2
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS	2114UISCE	3	3	3	3		3				
	OPERATING SYSTEMS	2115UISOS	2.8	2.8	2.8	2.8			2.8	2.8		2.8
	DISCRETE MATHEMATICS-I	2116UISDM	2.4	2.4				2.4				
	WEB PROGRAMMING I PRACTICAL	2112UISWPP	3		3	3	3		3	3		3
	INTRODUCTION TO PROGRAMMING PRACTICAL	2113UISISP	2	2		2	2	2			2	2
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS PRACTICAL	2114UISCEP	2	2	2	2		2				
	OPERATING SYSTEMS PRACTICAL	2115UISOSP	2	2	2	2			2	2		2
II	IT PLATFORMS, TOOLS AND PRACTICES	2121UISTP	4	4		4	4		4	4	4	4
	WEB PROGRAMMING II	2122UISWP	2				2			2	2	2

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PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON	2123UISDP	1.4	1.4	1.4		1.4		1.4	1.4		1.4
OBJECT ORIENTED PROGRAMMING	2124UISOP	3.4	3.4		3.4			3.4	3.4	3.4	3.4
DATABASE MANAGEMENT SYSTEMS I	2125UISDB	2.8		2.8	2.8			2.8	2.8		2.8
DISCRETE MATHEMATICS II	2126UISDM	2.4	2.4				2.4		2.4		
WEB PROGRAMMING II PRACTICAL	2122UISWPP	4				4			4	4	4
PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON PRACTICAL	2123UISDPP	3	3	3		3		3	3		3
OBJECT ORIENTED PROGRAMMING PRACTICAL	2124UISOPP	4	4		4			4	4	4	4
DATABASE MANAGEMENT SYSTEMS I PRACTICAL	2125UISDBP	2		2	2			2	2		2
CORE JAVA	2131UISCJ	3.4	3.4	3.4					3.4	3.4	3.4
DATA STRUCTURES	2132UISDS	2.4	2.4	2.4		2.4			2.4		2.4
COMPUTER NETWORKS	2133UISCN	2.8	2.8	2.8				2.8	2.8		2.8
DATABASE MANAGEMENT SYSTEMS- II	2134UISDB	2.4	2.4	2.4					2.4	2.4	2.4
DESCRIPTIVE STATISTICS	2135UISST	2.6	2.6	2.6	2.6	2.6	2.6				

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III	ADVANCED WEB PROGRAMMING - I	2136UISAW	2.8	2.8	2.8					2.8		2.8
	HYBRID MOBILE APPLICATION DEVELOPMENT 1	2136UISMD	3	3	3	3				3	3	3
	COMPUTER GRAPHICS AND ANIMATION	2137UISC	2.4	2.4	2.4	2.4	2.4	2.4		2.4		2.4
	EMBEDDED SYSTEMS	2137UISES	2.4	2.4	2.4					2.4		2.4
	CORE JAVA PRACTICAL	2131UISPR	4	4	4					4	4	4
	DATA STRUCTURES PRACTICAL	2132UISPR	4	4	4		4			4		4
	COMPUTER NETWORKS PRACTICAL	2133UISPR	3	3	3				3	3		3
	DATABASE MANAGEMENT SYSTEMS- II PRACTICAL	2134UISPR	3	3	3					3	3	3
	ADVANCED WEB PROGRAMMING - I PRACTICAL	2136UISAWP R	3	3	3					3		3
	HYBRID MOBILE APPLICATION DEVELOPMENT 1 PRACTICAL	2136UISMDP R	4	4	4	4				4		4
	COMPUTER GRAPHICS AND ANIMATION PRACTICAL	2137UISC R	3	3	3	3	3	3		3		3
	EMBEDDED SYSTEMS PRACTICAL	2137UISESP R	3	3	3					3		3
	DESIGN PATTERNS	2141UISDP	3.4	3.4	3.4	3.4		3.4		3.4		
	DESIGN AND ANALYSIS	2142UISDA	3	3	3	3	3	3		3	3	3

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IV	OF ALGORITHMS											
	SYSTEM PROGRAMMING	2143UISSP	3	3	3	3				3		3
	SOFTWARE ENGINEERING	2144UISSE	2.2	2.2	2.2	2.2	2.2			2.2		2.2
	PROBABILITY THEORY	2145UISPT	3.2	3.2	3.2	3.2	3.2	3.2		3.2		3.2
	ADVANCED WEB PROGRAMMING - II	2146UISAW	2.6	2.6	2.6	2.6						2.6
	HYBRID MOBILE APPLICATION DEVELOPMENT II	2146UISMD	2.6	2.6	2.6	2.6				2.6	2.6	2.6
	MULTIMEDIA SYSTEMS	2147UISMM	3	3	3	3			3	3		3
	INTERNET OF THINGS	2147UISIT	2.4	2.4	2.4	2.4				2.4		2.4
	DESIGN PATTERNS PRACTICAL	2141UISPR	1	1	1	1		1		1		
	DESIGN AND ANALYSIS OF ALGORITHMS PRACTICAL	2142UISPR	4	4	4	4	4	4		4	4	4
	SYSTEM PROGRAMMING PRACTICAL	2143UISPR	3	3	3	3				3		3
	SOFTWARE ENGINEERING PRACTICAL	2144UISPR	4	4	4	4	4			4		4
	ADVANCED WEB PROGRAMMING - II PRACTICAL	2146UISAWP R	5	5	5	5						5
	HYBRID MOBILE APPLICATION DEVELOPMENT II PRACTICAL	2146UISMDP R	3	3	3	3				3	3	3

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	MULTIMEDIA SYSTEMS PRACTICAL	2147UISMSP R	2	2	2	2			2	2		2
	INTERNET OF THINGS PRACTICAL	2147UISITPR	4	4	4	4				4		4
V	PRINCIPLES OF ARTIFICIAL INTELLIGENCE	2151UITPA	2.25	2.25	2.25	2.25				2.25	2.25	2.25
	DATA MINING AND WAREHOUSING	2152UITDW	2.5	2.5	2.5	2.5				2.5	2.5	2.5
	GEOGRAPHIC INFORMATION SYSTEMS	2153UITGS	1.75	1.75	1.75	1.75	1.75	1.75		1.75	1.75	1.75
	FOUNDATIONS OF SOFTWARE TESTING	2154UITST	2.5	2.5	2.5	2.5				2.5	2.5	2.5
	CLOUD COMPUTING	2154UITCC	3	3	3	3				3	3	3
	PRINCIPLES OF ARTIFICIAL INTELLIGENCE PRACTICAL	2151UITPR	3	3	3	3				3	3	3
	DATA MINING AND WAREHOUSING PRACTICAL	2152UITPR	4	4	4	4				4	4	4
	GEOGRAPHIC INFORMATION SYSTEMS PRACTICAL	2153UITGSP R	4	4	4	4	4	4		4	4	4
	FOUNDATIONS OF SOFTWARE TESTING PRACTICAL	2154UITSTP R	3	3	3	3				3	3	3
	CLOUD COMPUTING PRACTICAL	2154UITCCP R	2	2	2	2				2	2	2
	PROJECT	2155UITPI	3	3	3	3	3	3	3	3	3	3

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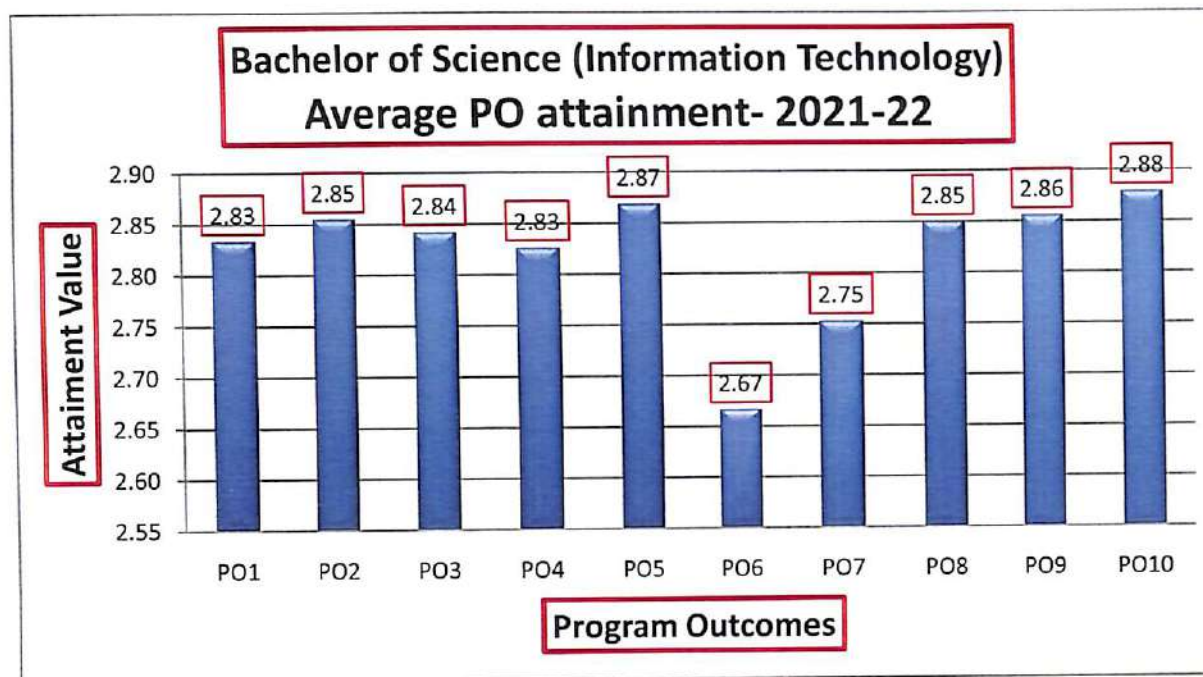


	IMPLEMENTATION											
VI	INFORMATION SECURITY MANAGEMENT	2161UITIM	3.25	3.25	3.25	3.25				3.25	3.25	3.25
	BUSINESS INTELLIGENCE	2162UITBI	1.5	1.5	1.5	1.5				1.5	1.5	1.5
	REMOTE SENSING	2163UITRS	2.25	2.25	2.25	2.25	2.25	2.25		2.25	2.25	2.25
	PROJECT MANAGEMENT	2164UITPM	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25
	INFORMATION SECURITY MANAGEMENT PRACTICAL	2161UITPR	2	2	2	2				2	2	2
	BUSINESS INTELLIGENCE PRACTICAL	2162UITPR	3	3	3	3				3	3	3
	REMOTE SENSING PRACTICAL	2163UITRSP R	3	3	3	3	3	3		3	3	3
	PROJECT MANAGEMENT PRACTICAL	2164UITPMP R	3	3	3	3	3	3	3	3	3	3
	PROJECT IMPLEMENTATION	2165UITPI	2	2	2	2	2	2	2	2	2	2
		Average	2.83	2.85	2.84	2.83	2.87	2.67	2.75	2.85	2.86	2.88

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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).

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## ANNEXTURE I

### Bachelor of Management Studies(Sports Management)- BMS (SM)

**Table No. I.1: PO CO Mapping Matrix:**

**Bachelor of Management Studies(Sports Management) BMS(SM):**

**Academic Year-2021-22**

Seme ster	Course	Course Code	PO1	PO2	PO 3	PO4	P O5	P O6	P O7
I	FUNDAMENTALS OF SPORTS & NEW AGE DYNAMICS	1814BSFSD	*			*		*	
	LEADERSHIP PRINCIPLES IN SPORTS	1815BSLPS	*			*		*	*
	PRINCIPLES OF MANAGEMENT	1811BSPOM	*			*			*
	BUSINESS ECONOMICS	1812BSBEC	*			*			
	BUSINESS COMMUNICATION & SOFT SKILLS	1813BSBCS				*	*		
	BASICS OF PRACTICAL SPORTS MANAGEMENT – I (TRAINING)	1816BSBPS		*	*	*	*	*	
II	MANAGEMENT OF SPORTS LEAGUES & TEAMS	1823BSMLT	*			*		*	
	SPORTS FACILITIES PLANNING & MANAGEMENT	1824BSSPF	*			*		*	
	SPORTS EQUIPMENT & TECHNOLOGY MANAGEMENT	1825BSETM	*					*	
	HUMAN RESOURCE MANAGEMENT	1821BSHRM	*			*		*	*
	MARKETING MANAGEMENT	1822BSMM T	*			*			
	BASICS OF PRACTICAL SPORTS MANAGEMENT – II (TRAINING)	1826BSBPS		*	*	*	*	*	*
III	SPORTS & ENTERTAINMENT MARKETING	1831BSENT	*			*		*	
	SPORTS FUNDING	1832BSSFF	*			*		*	

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	&FINANCIAL MANAGEMENT								
	SPORTS MEDIA , BROADCASTING & JOURNALISM	1833BSMBJ	*			*		*	
	PR, SPONSORSHIP & ADVERTISING IN SPORTS	1834BSPSA	*			*			
	SPORTS EVENT MANAGEMENT	1835BSSEM	*			*		*	*
	PROFESSIONAL INDUSTRY ENGAGEMENT (TRAINING)	1836BSPIE		*	*		*	*	*
IV	SPORTS LAW & RISK MANAGEMENT	1842BSLRM	*					*	
	GLOBAL SPORTS TOURISM	1843BSGST	*			*		*	
	SPORTS HEALTH & NUTRITION	1844BSSHIN	*			*			
	SPORTS PSYCHOLOGY	1845BSPSY	*			*		*	
	BRAND MANAGEMENT	1841BSBMT	*			*		*	
	WORK BASED LEARNING ROUTE (INTERNSHIP)	1846BSWBL		*	*	*	*	*	*
V	MEDIA MANAGEMENT	1851BSMED	*			*			
	ETHICS & GOVERNANCE	1852BSEGV	*					*	
	INTERNATIONAL SPORTS MANAGEMENT	1853BSISM	*			*		*	
	SPORTS TRAINING & TACTICS	1854BSSTT	*			*			*
	ENTREPRENEURSHIP & PROJECT MANAGEMENT	1855BSEPM	*			*			
	ADVANCED PRACTICAL SPORTS MANAGEMENT (INTERNSHIP)	1856BSAPS		*	*	*	*		*
VI	MANAGEMENT OF ADAPTIVE SPORTS	1861BSMAS	*					*	
	SOFT SKILLS & PERSONALITY	1862BSSPD				*	*		

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DEVELOPMENT								
CASE STUDIES	1863BSCS	*		*				
SPORTS & ALLIED INDUSTRY RESEARCH	1864BSIEP	*		*		*	*	*
FINAL PROJECT & VIVA	186BSFPV		*	*		*		*

**Table No. I.2: CO Attainment Level: Bachelor of management (Sports management)  
BMS(SM)-Academic Year – 2021-22**

Seme ster	Course	Course code	CO Attainmen t value	Attainmen t Target Level	Fully Attain ed/ Not Attain ed	Remedial Measures
I	FUNDAMENTALS OF SPORTS & NEW AGE DYNAMICS	1814BSFS D	2	2	Fully Attain ed	NA
	LEADERSHIP PRINCIPLES IN SPORTS	1815BSLP S	1.4	2	Not Attain ed	Assignments, tutorials, exercises and remedial coaching shall be planned.
	PRINCIPLES OF MANAGEMENT	1811BSP OM	2	2	Fully Attain ed	NA
	BUSINESS ECONOMICS	1812BSB EC	1.4	2	Not Attain ed	Assignments, tutorials, exercises and remedial coaching shall be planned.
	BUSINESS COMMUNICATION & SOFT SKILLS	1813BSB CS	2	2	Fully Attain ed	NA
	BASICS OF PRACTICAL SPORTS MANAGEMENT – I (TRAINING)	1816BSB PS	4	2	Fully Attain ed	NA
II	MANAGEMENT OF SPORTS LEAGUES & TEAMS	1823BSM LT	2.6	2	Fully Attain ed	NA

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	SPORTS FACILITIES PLANNING & MANAGEMENT	1824BSSP F	3.6	2	Fully Attained	NA
	SPORTS EQUIPMENT & TECHNOLOGY MANAGEMENT	1825BSE TM	1.6	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	HUMAN RESOURCE MANAGEMENT	1821BSH RM	2.4	2	Fully Attained	NA
	MARKETING MANAGEMENT	1822BSM MT	1.4	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	BASICS OF PRACTICAL SPORTS MANAGEMENT – II (TRAINING)	1826BSB PS	1	2	Not Attained	
III	SPORTS & ENTERTAINMENT MARKETING	1831BSE NT	2.3	2	Fully Attained	NA
	SPORTS FUNDING & FINANCIAL MANAGEMENT	1832BSSF F	3	2	Fully Attained	NA
	SPORTS MEDIA , BROADCASTING & JOURNALISM	1833BSM BJ	1.6	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	PR, SPONSORSHIP & ADVERTISING IN SPORTS	1834BSPS A	2.6	2	Fully Attained	NA
	SPORTS EVENT MANAGEMENT	1835BSSE M	2.2	2	Fully Attained	NA
	PROFESSIONAL INDUSTRY ENGAGEMENT (TRAINING)	1836BSPI E	3	2	Fully Attained	NA
IV	SPORTS LAW & RISK MANAGEMENT	1842BSL RM	3.2	2	Fully Attained	NA

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	GLOBAL SPORTS TOURISM	1843BSGST	2.6	2	Fully Attained	NA
	SPORTS HEALTH & NUTRITION	1844BSSH	3	2	Fully Attained	NA
	SPORTS PSYCHOLOGY	1845BSPSY	2.4	2	Fully Attained	NA
	BRAND MANAGEMENT	1841BSBMT	1.2	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	WORK BASED LEARNING ROUTE (INTERNSHIP)	1846BSWBL	0	2	Not Attained	
V	MEDIA MANAGEMENT	1851BSMED	1.4	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	ETHICS & GOVERNANCE	1852BSEGV	2.2	2	Fully Attained	NA
	INTERNATIONAL SPORTS MANAGEMENT	1853BSISM	3	2	Fully Attained	NA
	SPORTS TRAINING & TACTICS	1854BSSTT	2	2	Fully Attained	NA
	ENTREPRENEURSHIP & PROJECT MANAGEMENT	1855BSEPM	1.2	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	ADVANCED PRACTICAL SPORTS MANAGEMENT (INTERNSHIP)	1856BSAPS	2	2	Fully Attained	NA
VI	MANAGEMENT OF ADAPTIVE SPORTS	1861BSMAS	3.6	2	Fully Attained	NA
	SOFT SKILLS & PERSONALITY DEVELOPMENT	1862BSSPD	0.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall
	CASE STUDIES	1863BSCS	1.8	2	Not Attained	

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					ed	be planned.
	SPORTS & ALLIED INDUSTRY RESEARCH	1864BSIE P	2.6	2	Fully Attain ed	NA
	FINAL PROJECT & VIVA	186BSFP V	3	2	Fully Attain ed	NA
		Average	2.17			
NA: Not Applicable as target level is fully attained.						

Table No. I.2a: PO Attainment Level-BMS (Sports Management)- 2021-22

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	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. I.3: Results of CO-PO attainment-

**Bachelor of Management Studies(Sports Management)-BMS(SM)-Academic Year 2021-22**

Semest er	Course	Course Code	P O1	P O2	P O3	P O4	P O5	P O6	P O7
I	FUNDAMENTALS OF SPORTS & NEW AGE DYNAMICS	1814BSFSD	2			2		2	
	LEADERSHIP PRINCIPLES IN SPORTS	1815BSLPS	1.4			1.4		1.4	1.4
	PRINCIPLES OF MANAGEMENT	1811BSPOM	2			2			2
	BUSINESS ECONOMICS	1812BSBEC	1.4			1.4			
	BUSINESS COMMUNICATION & SOFT SKILLS	1813BSBCS				2	2		
	BASICS OF PRACTICAL SPORTS MANAGEMENT – I (TRAINING)	1816BSBPS		4	4	4	4	4	
II	MANAGEMENT OF SPORTS LEAGUES & TEAMS	1823BSMLT	2.6			2.6		2.6	

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	SPORTS FACILITIES PLANNING & MANAGEMENT	1824BSSPF	3.6			3.6		3.6	
	SPORTS EQUIPMENT & TECHNOLOGY MANAGEMENT	1825BSETM	1.6					1.6	
	HUMAN RESOURCE MANAGEMENT	1821BSHRM	2.4			2.4		2.4	2.4
	MARKETING MANAGEMENT	1822BSMMT	1.4			1.4			
	BASICS OF PRACTICAL SPORTS MANAGEMENT – II (TRAINING)	1826BSBPS		1	1	1	1	1	1
III	SPORTS & ENTERTAINMENT MARKETING	1831BSENT	2.3			2.3		2.3	
	SPORTS FUNDING & FINANCIAL MANAGEMENT	1832BSSFF	3			3		3	
	SPORTS MEDIA , BROADCASTING & JOURNALISM	1833BSMBJ	1.6			1.6		1.6	
	PR, SPONSORSHIP & ADVERTISING IN SPORTS	1834BSPSA	2.6			2.6			
	SPORTS EVENT MANAGEMENT	1835BSSEM	2.2			2.2		2.2	2.2
	PROFESSIONAL INDUSTRY ENGAGEMENT (TRAINING)	1836BSPIE		3	3		3	3	3
IV	SPORTS LAW & RISK MANAGEMENT	1842BSLRM	3.2					3.2	
	GLOBAL SPORTS TOURISM	1843BSGST	2.6			2.6		2.6	
	SPORTS HEALTH & NUTRITION	1844BSSHN	3			3			
	SPORTS PSYCHOLOGY	1845BSPSY	2.4			2.4		2.4	
	BRAND MANAGEMENT	1841BSBMT	1.2			1.2		1.2	
	WORK BASED LEARNING ROUTE (INTERNSHIP)	1846BSWBL		0	0	0	0	0	0
V	MEDIA MANAGEMENT	1851BSMED	1.4			1.4			
	ETHICS & GOVERNANCE	1852BSEGV	2.2					2.2	
	INTERNATIONAL SPORTS MANAGEMENT	1853BSISM	3			3		3	
	SPORTS TRAINING & TACTICS	1854BSSTT	2			2			2

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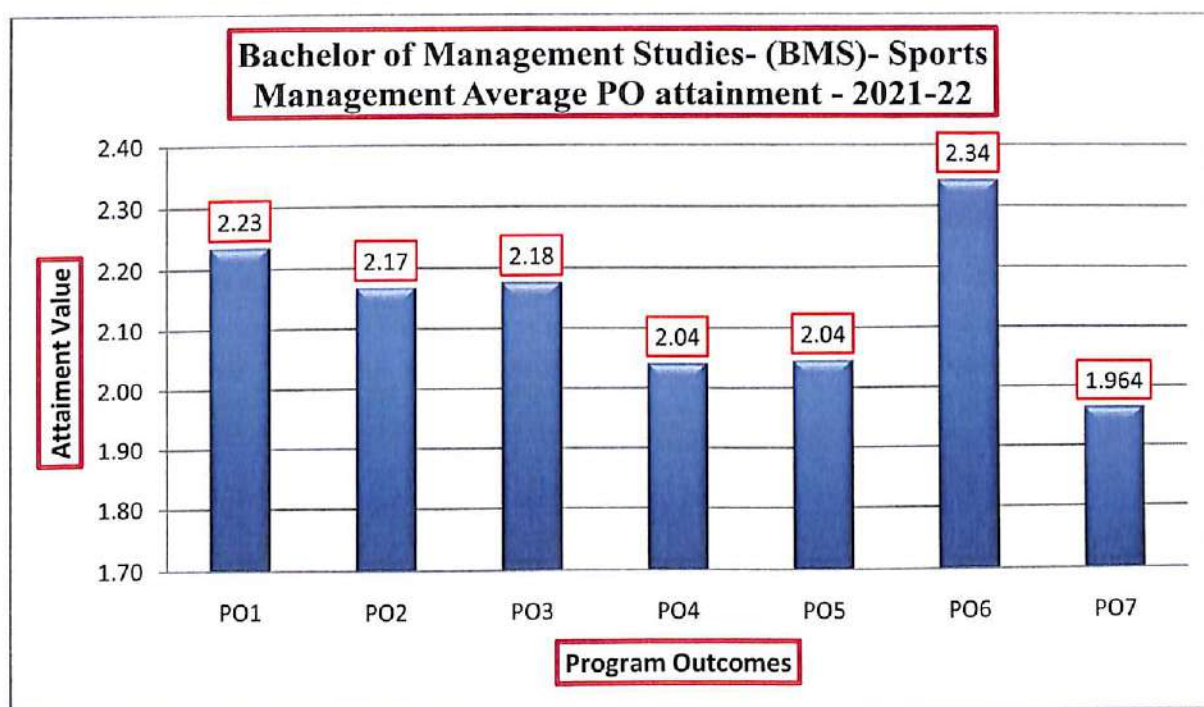
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VI	ENTREPRENEURSHIP & PROJECT MANAGEMENT	1855BSEPM	1.2			1.2			
	ADVANCED PRACTICAL SPORTS MANAGEMENT (INTERNSHIP)	1856BSAPS		2	2	2	2		2
	MANAGEMENT OF ADAPTIVE SPORTS	1861BSMAS	3.6					3.6	
	SOFT SKILLS & PERSONALITY DEVELOPMENT	1862BSSPD				0.8	0.8		
	CASE STUDIES	1863BSCS	1.8		1.8				
	SPORTS & ALLIED INDUSTRY RESEARCH	1864BSIEP	2.6		2.6		2.6	2.6	2.6
	FINAL PROJECT & VIVA	186BSFPV		3	3		3		3
		Average	2.2 3	2.1 7	2.1 8	2.0 4	2.0 4	2.3 4	1.9 6



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

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## ANNEXURE

### Bachelor of Arts- Honours(Apparel Design) - B.A.Honours (Apparel Design):

Table No. J.1: PO CO Mapping Matrix: B.A. Honours (Apparel Design)  
Academic Year – 2021-22

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7
I	ENVIRONMENTAL STUDIES	2111UADHES						*	
	FASHION STUDIES AND ILLUSTRATION - PART 1	2112UADHFS	*	*	*		*		*
	PATTERN MAKING AND APPAREL CONSTRUCTION AND KIDS WEAR	2113UADHPM	*	*	*		*	*	*
	FUNDAMENTAL TEXTILE	2114UADHFT	*	*	*		*	*	*
	HISTORY OF INDIAN COSTUMES AND TEXTILE	2115UADHIC	*	*		*	*		
II	BUSINESS COMMUNICATION	2121UADHBC				*		*	
	PERSONALITY DEVELOPMENT AND STYLING	2122UADHPD				*		*	*
	FASHION STUDIES AND ILLUSTRATION - PART 2	2123UADHFS	*	*	*		*		*
	PATTERN MAKING AND APPAREL CONSTRUCTION - WOMEN'S WEAR	2124UADHPM	*	*	*		*	*	*
	HISTORY OF WORLD COSTUMES	2125UADHWC	*	*		*	*		
	MARKETING MANAGEMENT	2126UADHMM						*	*
III	COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2131UADHCAD	*		*	*	*		*

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	TEXTILE DESIGN	2132UADHT D	*	*	*		*		*
	TEXTILE CRAFT	2133UADHT C	*	*	*		*		*
	ADVANCED APPAREL CONSTRUCTION - WOMEN'S WEAR	2134UADHA C	*	*	*		*	*	*
	ADVANCED FASHION STUDIES AND ILLUSTRATION	2135UADHF S	*	*	*		*		*
IV	FASHION EVENT MANAGEMENT	2141UADHE M				*		*	
	INDIAN EMBROIDERY	2142UADHIE	*	*	*		*		*
	ADVANCED COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2143UADHA CD	*		*	*	*		*
	DRAPING AND ADVANCED DRAPING	2145UADHA D	*	*	*		*		*
	DESIGN PROCESS AND CRAFT RESEARCH	2145UADHC R	*	*			*		*
V	ACCESSORIES DESIGNING	1951UADHA D	*	*	*			*	*
	WORKING WITH BITMAPS	1952UADHW B	*			*			*
	ADVANCED APPAREL CONSTRUCTION MEN'S WEAR AND HIGH FASHION GARMENTS	1953UADHA C	*	*	*		*	*	*
	FASHION RETAIL AND E TAIL	1954UADHR E				*		*	*
VI	TEXTILE CARE AND CONSERVATION	1961UADHT C	*	*	*	*		*	*
	MERCHANDISING	1962UADHM D				*		*	*
	FASHION SHOW	1963UADHF	*	*	*	*		*	*

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	PROJECT	P							
	FASHION BRANDING	1964UADHF B						*	*

**Table No. J.2: CO Attainment Level -B.A. Honours (Apparel Design)-  
Academic Year 2021-22**

Sem ester	Course	Course code	CO Attainm ent value	Attainm ent Target Level	Fully Attained/ Not Attained	Remedial Measures
I	ENVIRONMENTAL STUDIES	2111UADHE S	2.6	2	Fully Attained	NA
	FASHION STUDIES AND ILLUSTRATION - PART 1	2112UADHF S	2.4	2	Fully Attained	NA
	PATTERN MAKING AND APPAREL CONSTRUCTION AND KIDS WEAR	2113UADHP M	2.6	2	Fully Attained	NA
	FUNDAMENTAL TEXTILE	2114UADHF T	3	2	Fully Attained	NA
	HISTORY OF INDIAN COSTUMES AND TEXTILE	2115UADHI C	3	2	Fully Attained	NA
II	BUSINESS COMMUNICATION	2121UADHB C	3	2	Fully Attained	NA
	PERSONALITY DEVELOPMENT AND STYLING	2122UADHP D	3	2	Fully Attained	NA
	FASHION STUDIES AND ILLUSTRATION - PART 2	2123UADHF S	3	2	Fully Attained	NA
	PATTERN MAKING AND APPAREL CONSTRUCTION - WOMEN'S WEAR	2124UADHP M	2.6	2	Fully Attained	NA
	HISTORY OF WORLD COSTUMES	2125UADH WC	1.8	2	Not Attained	Assignment s, tutorials, exercises and remedial coaching

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						shall be planned.
	MARKETING MANAGEMENT	2126UADHMM	3.6	2	Fully Attained	NA
III	COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2131UADHCAD	2	2	Fully Attained	NA
	TEXTILE DESIGN	2132UADHTD	2.4	2	Fully Attained	NA
	TEXTILE CRAFT	2133UADHTC	2	2	Fully Attained	NA
	ADVANCED APPAREL CONSTRUCTION - WOMEN'S WEAR	2134UADHAC	4	2	Fully Attained	NA
	ADVANCED FASHION STUDIES AND ILLUSTRATION	2135UADHFS	3	2	Fully Attained	NA
IV	FASHION EVENT MANAGEMENT	2141UADHEM	1.2	2	Not Attained	Assignment s, tutorials, exercises and remedial coaching shall be planned.
	INDIAN EMBROIDERY	2142UADHIE	2.4	2	Fully Attained	NA
	ADVANCED COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2143UADHACD	3	2	Fully Attained	NA
	DRAPING AND ADVANCED DRAPING	2145UADHAD	3	2	Fully Attained	NA
	DESIGN PROCESS AND CRAFT RESEARCH	2145UADHCR	3	2	Fully Attained	NA
V	ACCESSORIES DESIGNING	1951UADHAD	3	2	Fully Attained	NA
	WORKING WITH BITMAPS	1952UADH WB	3	2	Fully Attained	NA
	ADVANCED	1953UADH	1	2	Not	Assignment

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	APPAREL CONSTRUCTION MEN'S WEAR AND HIGH FASHION GARMENTS	AC			Attained	s, tutorials, exercises and remedial coaching shall be planned.
	FASHION RETAIL AND E TAIL	1954UADHRE	3	2	Fully Attained	NA
VI	TEXTILE CARE AND CONSERVATION	1961UADHTC	3.6	2	Fully Attained	NA
	MERCHANDISING	1962UADHMD	3	2	Fully Attained	NA
	FASHION SHOW PROJECT	1963UADHFP	2.4	2	Fully Attained	NA
	FASHION BRANDING	1964UADHFB	2.4	2	Fully Attained	NA
		Average	2.690			
NA: Not Applicable as target level is fully attained.						

**Table No.J.2a: PO Attainment Level-B.A. Honours (Apparel Design)-  
Academic Year 2021-22**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	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.

**Table No. J.3: Results of CO-PO attainment-B.A. Honours (Apparel Design)-**

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**Academic Year 2021-22**

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7
I	ENVIRONMENTAL STUDIES	2111UADHES						2.6	
	FASHION STUDIES AND ILLUSTRATION - PART 1	2112UADHFS	2.4	2.4	2.4		2.4		2.4
	PATTERN MAKING AND APPAREL CONSTRUCTION AND KIDS WEAR	2113UADHPM	2.6	2.6	2.6		2.6	2.6	2.6
	FUNDAMENTAL TEXTILE	2114UADHFT	3	3	3		3	3	3
	HISTORY OF INDIAN COSTUMES AND TEXTILE	2115UADHIC	3	3		3	3		
II	BUSINESS COMMUNICATION	2121UADHBC				3		3	
	PERSONALITY DEVELOPMENT AND STYLING	2122UADHPD				3		3	3
	FASHION STUDIES AND ILLUSTRATION - PART 2	2123UADHFS	3	3	3		3		3
	PATTERN MAKING AND APPAREL CONSTRUCTION - WOMEN'S WEAR	2124UADHPM	2.6	2.6	2.6		2.6	2.6	2.6
	HISTORY OF WORLD COSTUMES	2125UADHWC	1.8	1.8		1.8	1.8		
	MARKETING MANAGEMENT	2126UADHMM						3.6	3.6
III	COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2131UADHCAD	2		2	2	2		2
	TEXTILE DESIGN	2132UADHTD	2.4	2.4	2.4		2.4		2.4
	TEXTILE CRAFT	2133UADHTC	2	2	2		2		2
	ADVANCED	2134UADHA	4	4	4		4	4	4

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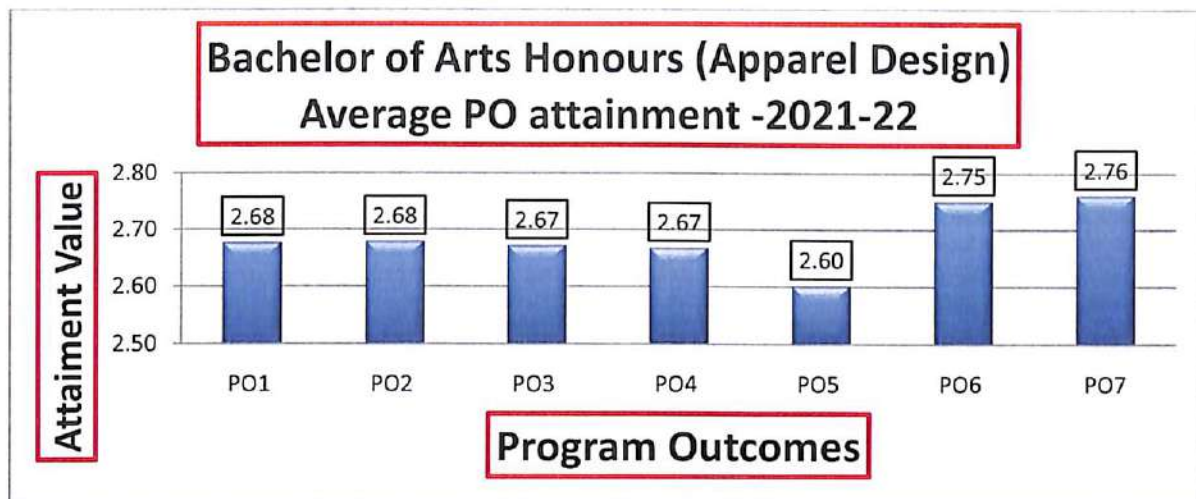
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	APPAREL CONSTRUCTION - WOMEN'S WEAR	C							
	ADVANCED FASHION STUDIES AND ILLUSTRATION	2135UADHFS	3	3	3		3		3
IV	FASHION EVENT MANAGEMENT	2141UADHEM				1.2		1.2	
	INDIAN EMBROIDERY	2142UADHIE	2.4	2.4	2.4		2.4		2.4
	ADVANCED COMPUTER AIDED DESIGNING IN FASHION TECHNOLOGY	2143UADHACD	3		3	3	3		3
	DRAPING AND ADVANCED DRAPING	2145UADHAD	3	3	3		3		3
	DESIGN PROCESS AND CRAFT RESEARCH	2145UADHCR	3	3			3		3
V	ACCESSORIES DESIGNING	1951UADHAD	3	3	3			3	3
	WORKING WITH BITMAPS	1952UADHWB	3			3			3
	ADVANCED APPAREL CONSTRUCTION MEN'S WEAR AND HIGH FASHION GARMENTS	1953UADHAC	1	1	1		1	1	1
	FASHION RETAIL AND E TAIL	1954UADHRE				3		3	3
VI	TEXTILE CARE AND CONSERVATION	1961UADHTC	3.6	3.6	3.6	3.6		3.6	3.6
	MERCHANDISING	1962UADHMD				3		3	3
	FASHION SHOW PROJECT	1963UADHFP	2.4	2.4	2.4	2.4		2.4	2.4
	FASHION BRANDING	1964UADHFB						2.4	2.4
	Average		2.68	2.68	2.67	2.67	2.60	2.75	2.76

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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).

ANNEXURE

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**Bachelor of Commerce -Honours(InternationalAccounting) - B.Com.Honours  
(InternationalAccounting):**

Table No. K.1: PO CO Mapping Matrix: B.Com. Honours (InternationalAccounting)  
Academic Year – 2021-22

Semes ter	Course	Course Code	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9
1	FINANCIALACCOUNTING	2011UCHIFA	*								
	BUSINESS&TECHNOLOGY	2112UCHIBT		*					*		
	ACCOUNTINGWITHTALLY	2013UCHIAT	*						*		
	BIGDATAANALYSIS	2113UCHIBA							*	*	
	MICROECONOMICS	2014UCHIME							*		
	BUSINESSMATHEMATICS	2114UCHIBM							*		
	ENVIRONMENTALSTUDIES	2015UCHIES									*
2	MANAGEMENTACCOUNTING	2021UCHIMA									
	PERFORMANCEMANAGEMENT	2022UCHIPM						*			
	NSE-CAPITALMARKETS	2123UCHICM			*						*
	NISM –DERIVATIVES	2123UCHIND			*						*
	MACROECONOMICS	2024UCHIME							*		
	BUSINESSSTATISTICS	2024UCHIBS							*		
	BUSINESSCOMMUNICATION	2025UCHIBC		*							
	INTERNSHIP/PROJECT	2126UCHIIS								*	
3	SALES MANAGEMENT AND NEGOTIATIONSKILLS	2127UCHISM		*							
	TAXATION	2131UCHITX									*
	FINANCIALREPORTING(PART1)	2132UCHIFR	*								
	FINANCIALREPORTING(PART2)	2133UCHIFR	*								
	AUDITANDASSURANCE(PART1)	2134UCHIAA				*	*				
4	TAXPLANNING	2135UCHITP									*
	CORPORATEANDBUSINESSLAW	2141UCHIBL									*
	AUDITANDASSURANCE(PART2)	2142UCHIAA				*	*				

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	FINANCIALMANAGEM ENT(PART1)	2143UCHIFM			*						
	FINANCIALMANAGEM ENT(PART2)	2144UCHIFM			*						
	E-COMMERCE	2145UCHIEC		*							
5	STRATEGICBUSINESSR EPORTING(PART 1)	1951UCHIBR	*				*				
	STRATEGICBUSINESSR EPORTING(PART 2)	1952UCHIBR	*				*				
	BUSINESSRESEARCHM ETHODS	1953UCHIBR M								*	
	COMPANIESACT,2013	1954UCHICA									*
	ADVANCEPERFORMA NCE MANAGEMENT	1954UCHIPM						*			
	RISKMANAGEMENT	1954UCHIRM			*						
	BANKINGANDINSURA NCE	1954UCHIBI NCE									*
6	STRATEGICBUSINESSL EADER(PART1)	1961UCHIBL	*								
	STRATEGICBUSINESSL EADER(PART2)	1962UCHIBL	*								
	RESEARCH- PROJECTWORK	1963UCHIBR								*	
	INTERNATIONALBUSI NESS	1964UCHIIB		*							
	ADVANCE FINANCIALMANAGEM ENT	1964UCHIFM			*						
	GOOD&SERVICESTAX CORPORATEACCOUNT ING	1964UCHIGS 1964UCHICA									*
			*								

**Table No. K.2: CO Attainment Level -B.Com. Honours (InternationalAccounting)-  
Academic Year 2021-22**

Sem ester	Course	Course code	CO Attainm ent value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	FINANCIALACCOUNT ING	2011UCHIFA	2	2	Fully Attained	NA
	BUSINESS&TECHNOL OGY	2112UCHIBT	3	2	Fully Attained	NA
	ACCOUNTINGWITHT ALLY	2013UCHIAT	3	2	Fully Attained	NA
	BIGDATAANALYSIS	2113UCHIBA	NA	2	NA	NA
	MICROECONOMICS	2014UCHIME	2	2	Fully	NA

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					Attained	
	BUSINESS MATHEMATICS	2114UCHIBM	3.4	2	Fully Attained	NA
	ENVIRONMENTAL STUDIES	2015UCHIES	3	2	Fully Attained	NA
II	MANAGEMENT ACCOUNTING	2021UCHIMA	2	2	Fully Attained	NA
	PERFORMANCE MANAGEMENT	2022UCHIPM	2	2	Fully Attained	NA
	NSE-CAPITAL MARKETS	2123UCHICM	3.2	2	Fully Attained	NA
	NISM -DERIVATIVES	2123UCHIND	NA	2	NA	NA
	MACROECONOMICS	2024UCHIME	2.4	2	Fully Attained	NA
	BUSINESS STATISTICS	2024UCHIBS	3.2	2	Fully Attained	NA
	BUSINESS COMMUNICATION	2025UCHIBC	2.6	2	Fully Attained	NA
	INTERNSHIP/PROJECT	2126UCHIIS	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	SALES MANAGEMENT AND NEGOTIATION SKILLS	2127UCHISM	NA	2	NA	NA
III	TAXATION	2131UCHITX	2	2	Fully Attained	NA
	FINANCIAL REPORTING(PART1)	2132UCHIFR	5	2	Fully Attained	NA
	FINANCIAL REPORTING(PART2)	2133UCHIFR	5	2	Fully Attained	NA
	AUDIT AND ASSURANCE(PART1)	2134UCHIAA	4	2	Fully Attained	NA
	TAX PLANNING	2135UCHITP	3	2	Fully Attained	NA
IV	CORPORATE AND BUSINESS LAW	2141UCHIBL	2	2	Fully Attained	NA
	AUDIT AND ASSURANCE(PART2)	2142UCHIAA	2.4	2	Fully Attained	NA
	FINANCIAL MANAGEMENT(PART1)	2143UCHIFM	2	2	Fully Attained	NA

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	FINANCIALMANAGEMENT(PART2)	2144UCHIFM	2.4	2	Fully Attained	NA
	E-COMMERCE	2145UCHIEC	2.8	2	Fully Attained	NA
V	STRATEGICBUSINESS REPORTING(PART 1)	1951UCHIBR	4	2	Fully Attained	NA
	STRATEGICBUSINESS REPORTING(PART 2)	1952UCHIBR	4.6	2	Fully Attained	NA
	BUSINESSRESEARCH METHODS	1953UCHIBRM	NA	2	NA	NA
	COMPANIESACT,2013	1954UCHICA	NA	2	NA	NA
	ADVANCEPERFORMANCE MANAGEMENT	1954UCHIPM	2.8	2	Fully Attained	NA
	RISKMANAGEMENT	1954UCHIRM	4	2	Fully Attained	NA
	BANKINGANDINSURANCE	1954UCHIBI	NA	2	NA	NA
VI	STRATEGICBUSINESS LEADER(PART1)	1961UCHIBL	2.4	2	Fully Attained	NA
	STRATEGICBUSINESS LEADER(PART2)	1962UCHIBL	2.2	2	Fully Attained	NA
	RESEARCH-PROJECTWORK	1963UCHIBR	3	2	Fully Attained	NA
	INTERNATIONALBUSINESS	1964UCHIIB	NA	2	NA	NA
	ADVANCE FINANCIALMANAGEMENT	1964UCHIFM	2.0	2	Fully Attained	NA
	GOOD&SERVICESTAX	1964UCHIGS	2.6	2	Fully Attained	NA
	CORPORATEACCOUNTING	1964UCHICA	NA	2	NA	NA
		Average	2.84			
NA: Not Applicable as target level is fully attained.						

**Table No.K.2a: PO Attainment Level-B.Com. Honours (InternationalAccounting)-  
Academic Year 2021-22**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	5	4	Fully Attained	NA
NA: Not Applicable as target level 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 plan is required.

**Table No. K.3: Results of CO-PO attainment-B.Com. Honours (InternationalAccounting)-  
Academic Year 2021-22**

Semes ter	Course	Course Code	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9
1	FINANCIALACCOUNTI NG	2011UCHIFA	2								
	BUSINESS&TECHNOLO GY	2112UCHIBT		3					3		
	ACCOUNTINGWITHTA LLY	2013UCHIAT	3						3		
	BIGDATAANALYSIS	2113UCHIBA							NA	NA	
	MICROECONOMICS	2014UCHIME							2		
	BUSINESSMATHEMATI CS	2114UCHIBM							3.4		
2	ENVIRONMENTALSTU DIES	2015UCHIES									3
	MANAGEMENTACCOU NTING	2021UCHIMA									
	PERFORMANCEMANA GEMENT	2022UCHIPM						2			
	NSE- CAPITALMARKETS	2123UCHICM			3.2						3.2
	NISM -DERIVATIVES	2123UCHIND			NA						NA
	MACROECONOMICS	2024UCHIME							2.4		
	BUSINESSSTATISTICS	2024UCHIBS							3.2		
	BUSINESSCOMMUNIC ATION	2025UCHIBC		2.6							
	INTERNSHIP/PROJECT	2126UCHIIS								1	
3	SALES MANAGEMENT AND NEGOTIATIONSKILLS	2127UCHISM		NA							
	TAXATION	2131UCHITX									2
	FINANCIALREPORTIN G(PART1)	2132UCHIFR	5								
	FINANCIALREPORTIN G(PART2)	2133UCHIFR	5								
	AUDITANDASSURANC E(PART1)	2134UCHIAA				4	4				
	TAXPLANNING	2135UCHITP									3

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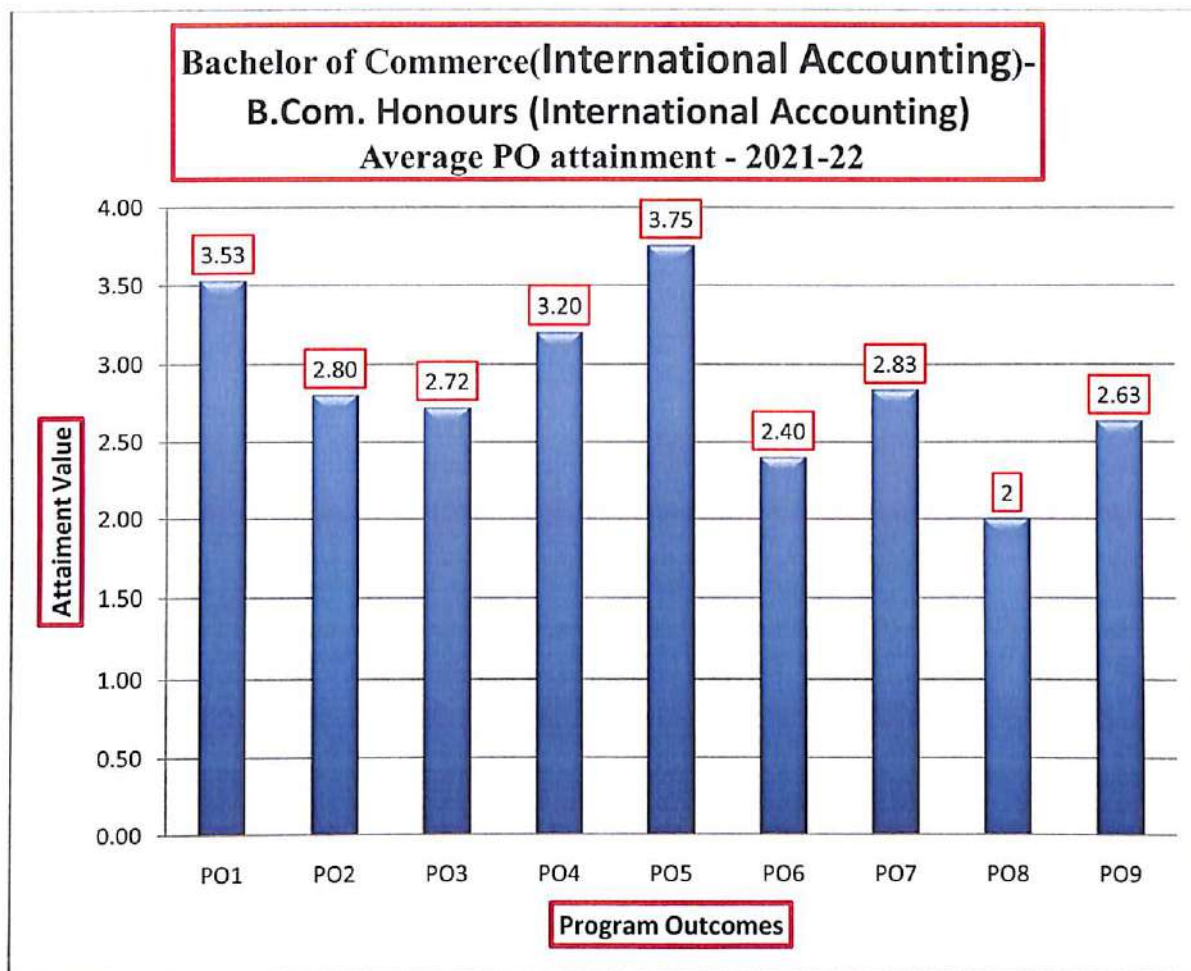


4	CORPORATE AND BUSINESS LAW	2141UCHIBL									2
	AUDIT AND ASSURANCE (PART 2)	2142UCHIAA				2.4	2.4				
	FINANCIAL MANAGEMENT (PART 1)	2143UCHIFM			2						
	FINANCIAL MANAGEMENT (PART 2)	2144UCHIFM			2.4						
	E-COMMERCE	2145UCHIEC		2.8							
5	STRATEGIC BUSINESS REPORTING (PART 1)	1951UCHIBR	4				4				
	STRATEGIC BUSINESS REPORTING (PART 2)	1952UCHIBR	4.6				4.6				
	BUSINESS RESEARCH METHODS	1953UCHIRM								NA	
	COMPANIES ACT, 2013	1954UCHICA									NA
	ADVANCE PERFORMANCE MANAGEMENT	1954UCHIPM						2.8			
	RISK MANAGEMENT	1954UCHIRM			4						
	BANKING AND INSURANCE	1954UCHIBI									NA
6	STRATEGIC BUSINESS LEADER (PART 1)	1961UCHIBL	2.4								
	STRATEGIC BUSINESS LEADER (PART 2)	1962UCHIBL	2.2								
	RESEARCH-PROJECT WORK	1963UCHIBR								3	
	INTERNATIONAL BUSINESS	1964UCHIBB		NA							
	ADVANCE FINANCIAL MANAGEMENT	1964UCHIFM			2						
	GOOD & SERVICE TAX	1964UCHIGS									2.6
	CORPORATE ACCOUNTING	1964UCHICA	NA								
		Average	3.53	2.80	2.72	3.20	3.75	2.40	2.83	2	2.63

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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).

**ALL POST GRADUATE COURSES  
ANNEXTURE L  
Master of Arts(Economics)- MA(ECO)**

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**Table No. L.1: PO CO Mapping Matrix:  
Master of Arts(Economics)- MA(ECO)- Academic Year-2021-22**

Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6
<b>I</b>	MICROECONOMICS -I	2011PMEMI	*	*	*	*		
	MACROECONOMICS -I	1712PMEMA	*	*	*	*		
	ECONOMICS OF DEVELOPMENT	1813PMEED	*	*	*	*	*	*
	STATISTICAL METHODS IN ECONOMICS	1814PMESM		*	*	*		
<b>II</b>	MICROECONOMICS -II	1623PMEMI	*	*	*	*	*	
	MACROECONOMICS -II	1624PMEMA	*	*	*	*		
	PUBLIC ECONOMICS	1621PMEPE	*	*	*	*	*	*
	MATHEMATICAL TECHNIQUES FOR ECONOMISTS	1622PMEMT		*	*	*		
<b>III</b>	ECONOMICS OF AGRICULTURAL PRODUCTION AND RURAL MARKETS	1731PMEAP	*	*	*	*	*	*
	INTERNATIONAL TRADE: THEORY AND POLICY	1732PMEIT	*	*	*	*		*
	INDUSTRIAL ECONOMICS	1733PMEIE	*	*	*	*	*	*
	BANKING: THEORY AND POLICY	1734PMEBA	*	*	*	*	*	*
<b>IV</b>	AGRICULTURAL DEVELOPMENT AND POLICY	1741PMEAD	*	*	*	*	*	*
	INTERNATIONAL FINANCE	1742PMEIF	*	*	*	*	*	*
	ECONOMICS OF HUMAN DEVELOPMENT	1743PMEHD	*	*	*	*	*	*
	RESEARCH PROJECT	1744PMERP	*	*	*	*	*	*

**Table No. L.2: CO Attainment Level: Master of Arts(Economics)- MA(ECO)-  
Academic Year-2021-22**

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Se m es ter	Course	Course Code	CO Attainm ent value	Attain ment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	MICROECONOMICS - I	2011PMEM I	4	2	Fully Attained	NA
	MACROECONOMICS -I	1712PMEM A	2.6	2	Fully Attained	NA
	ECONOMICS OF DEVELOPMENT	1813PMEE D	2.8	2	Fully Attained	NA
	STATISTICAL METHODS IN ECONOMICS	1814PMES M	5	2	Fully Attained	NA
II	MICROECONOMICS - II	1623PMEM I	2.8	2	Fully Attained	NA
	MACROECONOMICS -II	1624PMEM A	2.6	2	Fully Attained	NA
	PUBLIC ECONOMICS	1621PMEP E	1.6	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	MATHEMATICAL TECHNIQUES FOR ECONOMISTS	1622PMEM T	2.6	2	Fully Attained	NA
III	ECONOMICS OF AGRICULTURAL PRODUCTION AND RURAL MARKETS	1731PMEA P	1.2	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	INTERNATIONAL TRADE: THEORY AND POLICY	1732PMEIT	2.6	2	Fully Attained	NA
	INDUSTRIAL ECONOMICS	1733PMEIE	3.8	2	Fully Attained	NA
	BANKING: THEORY AND POLICY	1734PMEB A	4	2	Fully Attained	NA

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IV	AGRICULTURAL DEVELOPMENT AND POLICY	1741PMEAD	3.4	2	Fully Attained	NA
	INTERNATIONAL FINANCE	1742PMEIF	3	2	Fully Attained	NA
	ECONOMICS OF HUMAN DEVELOPMENT	1743PMEHD	3.4	2	Fully Attained	NA
	RESEARCH PROJECT	1744PMERP	5	2	Fully Attained	NA
		Average	3.15			
NA: Not Applicable as target level is fully attained.						

**Table No.L.2a: PO Attainment Level-MA (Economics)- 2021-22**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2021-22	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. L.3: Results of CO-PO attainment-  
Master of Arts(Economics)-MA(ECO)-Academic Year 2021-22**

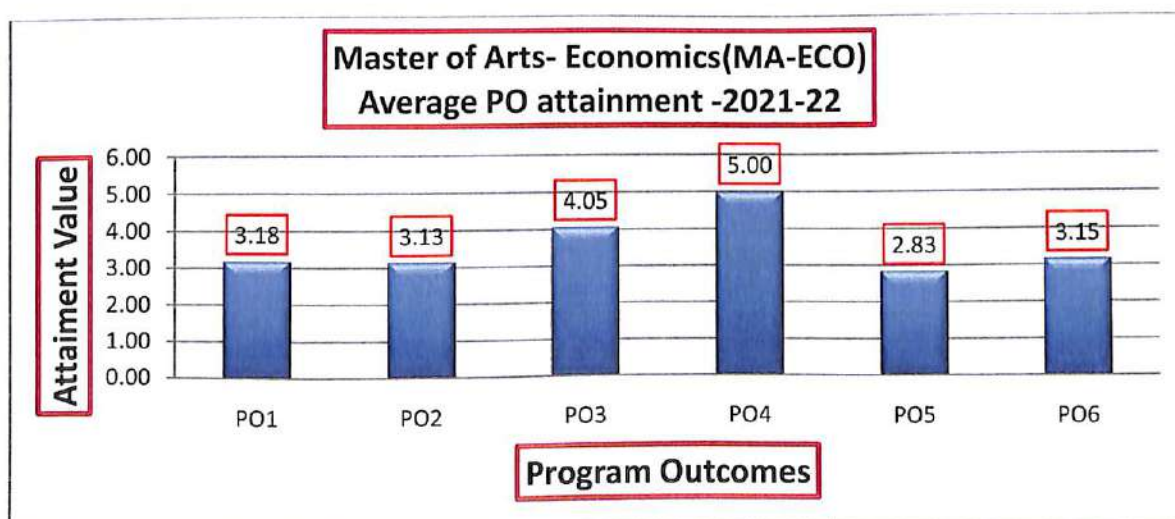
Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	MICROECONOMICS -I	1611PMEMI	4	4	4	4		
	MACROECONOMICS -I	1612PMEMA	2.6	2.6	2.6	2.6		
	ECONOMICS OF DEVELOPMENT	1613PMEED	2.8	2.8	2.8	2.8	2.8	2.8
	STATISTICAL METHODS IN ECONOMICS	1814PMESM		5	5	5		

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II	MICROECONOMICS - II	1623PMEMI	2.8	2.8	2.8	2.8	2.8	
	MACROECONOMICS -II	1624PMEMA	2.6	2.6	2.6	2.6		
	PUBLIC ECONOMICS	1621PMEPE		1.6	1.6	1.6		
	MATHEMATICAL TECHNIQUES FOR ECONOMISTS	1622PMEMT	2.6	2.6	2.6	2.6	2.6	2.6
III	ECONOMICS OF AGRICULTURAL PRODUCTION AND RURAL MARKETS	1731PMEAP	1.2	1.2	1.2	1.2	1.2	1.2
	INTERNATIONAL TRADE: THEORY AND POLICY	1732PMEIT	2.6	2.6	2.6	2.6		2.6
	INDUSTRIAL ECONOMICS	1733PMEIE	3.8	3.8	3.8	3.8	3.8	3.8
	BANKING: THEORY AND POLICY	1734PMEBA	4	4	4	4	4	4
IV	AGRICULTURAL DEVELOPMENT AND POLICY	1741PMEAD	3.4	3.4	3.4	3.4	3.4	3.4
	INTERNATIONAL FINANCE	1742PMEIF	3	3	3	3	3	3
	ECONOMICS OF HUMAN DEVELOPMENT	1743PMEHD	3.4	3.4	3.4	3.4	3.4	3.4
	RESEARCH PROJECT	1744PMERP	5	5	5	5	5	5
		Average	3.18	3.13	4.05	5.00	2.83	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).

### ANNEXTURE M

#### Master of Arts(Geography)- MA(GEO)

Table No. M.1: PO CO Mapping Matrix:

Master of Arts(Geography)- MA(GEO)- Academic Year-2021-22

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	PRINCIPLES OF GEOMORPHOLOGY	1611PGEFG	*					
	PRINCIPLES OF CLIMATOLOGY	1612PGEPC	*					
	PERSPECTIVES IN HUMAN GEOGRAPHY	1613PGESP		*	*			
	SPATIAL ORGANISATION OF ECONOMIC ACTIVITIES	1614PGEEA		*	*			
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - I	1615PGESA					*	
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- II	1616PGESA					*	
II	OCEANOGRAPHY AND HYDROLOGY	1621PGEOH	*					*
	GEOINFORMATICS	1622PGEIF				*		
	SOCIO-CULTURAL AND POLITICAL GEOGRAPHY	1623PGECP		*	*			
	URBAN GEOGRAPHY	1624PGEUG			*			
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - III	1625PGESA				*	*	
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- IV	1626PGESA					*	
III	RESEARCH METHODOLOGY IN GEOGRAPHY	1731PGERM	*				*	

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	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					*	
IV	GEO-INFORMATICS AND HEALTH CARE	1741PGEHE	*			*		
	ECOLOGY AND ENVIRONMENT	1742PGEEE					*	*
	DISSERTATION	1743PGED	*	*	*	*	*	*

**Table No. M.2: CO Attainment Level: Master of Arts(Geography)- MA(GEO)-  
Academic Year-2021-22**

Semester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	PRINCIPLES OF GEOMORPHOLOGY	1611PGEFG	3	2	Fully Attained	NA
	PRINCIPLES OF CLIMATOLOGY	1612PGEPC	2.2	2	Fully Attained	NA
	PERSPECTIVES IN HUMAN GEOGRAPHY	1613PGESP	3.6	2	Fully Attained	NA
	SPATIAL ORGANISATION OF ECONOMIC ACTIVITIES	1614PGEEA	3.8	2	Fully Attained	NA
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - I	1615PGESA	3	2	Fully Attained	NA
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- II	1616PGESA	1	2	Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
II	OCEANOGRAPHY	1621PGEOH	3.4	2	Fully	NA

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	AND HYDROLOGY				Attained	
	GEOINFORMATIC S	1622PGEIF	3.4	2	Fully Attained	NA
	SOCIO- CULTURAL AND POLITICAL GEOGRAPHY	1623PGECP	3.4	2	Fully Attained	NA
	URBAN GEOGRAPHY	1624PGEUG	3.4	2	Fully Attained	NA
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - III	1625PGESA	4	2	Fully Attained	NA
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- IV	1626PGESA	4	2	Fully Attained	NA
III	RESEARCH METHODOLOGY IN GEOGRAPHY	1731PGERM	5	2	Fully Attained	NA
	CLIMATOLOGY OF TROPICS	1732PGECT	4	2	Fully Attained	NA
	GEOGRAPHY OF SOUTH ASIA WITH SPECIAL REFERENCE TO INDIA	1733PGESA	2.4	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
IV	GEO- INFORMATICS AND HEALTH CARE	1741PGEHE	3.4	2	Fully Attained	NA
	ECOLOGY AND ENVIRONMENT	1742PGEEE	3.6	2	Fully Attained	NA
	DISSERTATION	1743PGED	4	2	Fully Attained	NA
		Average	3.38			

NA: Not Applicable as target level is fully attained

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Table No. M 2a. PO Attainment Level-MA (Geography)-A21-22

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2021-22	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. M.3: Results of CO-PO attainment-  
Master of Arts(Geography)-MA(GEO)-Academic Year 2021-22**

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	PRINCIPLES OF GEOMORPHOLOGY	1611PGEFG	3					
	PRINCIPLES OF CLIMATOLOGY	1612PGEP C	2.2					
	PERSPECTIVES IN HUMAN GEOGRAPHY	1613PGESP		3.6	3.6			
	SPATIAL ORGANISATION OF ECONOMIC ACTIVITIES	1614PGEEA		3.8	3.8			
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - I	1615PGESA					3	
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- II	1616PGESA					1	
II	OCEANOGRAPHY AND HYDROLOGY	1621PGEOH	3.4					3.4
	GEOINFORMATICS	1622PGEIF				3.4		
	SOCIO-CULTURAL AND POLITICAL GEOGRAPHY	1623PGEC P		3.4	3.4			
	URBAN GEOGRAPHY	1624PGEUG			3.4			
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - III	1625PGESA				4	4	
	TOOLS AND TECHNIQUES OF	1626PGESA					4	

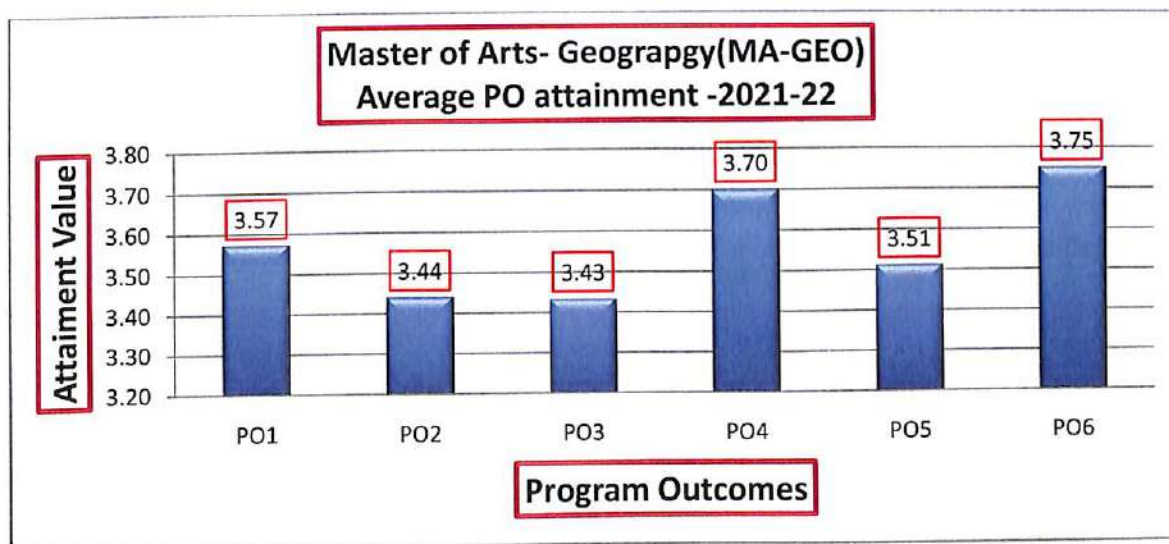
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	SPATIAL ANALYSIS- IV							
III	RESEARCH METHODOLOGY IN GEOGRAPHY	1731PGERM	5				5	
	CLIMATOLOGY OF TROPICS	1732PGECT	4					4
	GEOGRAPHY OF SOUTH ASIA WITH SPECIAL REFERENCE TO INDIA	1733PGESA		2.4	2.4			
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - V	1734PGETT					3	
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- VI	1735PGETT					4	
IV	GEO-INFORMATICS AND HEALTH CARE	1741PGEHE	3.4			3.4		
	ECOLOGY AND ENVIRONMENT	1742PGEE E					3.6	3.6
	DISSERTATION	1743PGED	4	4	4	4	4	4
		Average	3.57	3.44	3.43	3.70	3.51	3.75



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 N

### Master of Commerce(Accountancy)-MCOM (Accountancy)

Table No. N.1: PO CO Mapping Matrix:

Academic Year-2021-22

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (ACCOUNTANCY)				
Se m		Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PS O1	PS O2	PS O3	PS O4	PS O5
<b>I</b>	STRATEGIC MANAGEMENT	1611PC MSM	*		*	*	*					
	MICROECONOMICS	1612PC MEB	*			*						
	COST AND MANAGEMENT ACCOUNTING	1613PC MCA	*			*				*		
	BUSINESS ETHICS AND CSR	1614PC MBE	*			*						
<b>I</b>	RESEARCH METHODOLOGY	1621PC MRM	*	*	*		*					
	MACROECONOMICS	1622PC MME	*			*						
	CORPORATE FINANCE	1623PC MCF	*	*	*		*				*	*
	E COMMERCE	1624PC MEC	*	*			*					
<b>III</b>	ADVANCED FINANCIAL ACCOUNTING	1731PC MFA	*	*		*			*		*	
	DIRECT TAX	1732PC MDT	*	*			*	*				
	ADVANCED COST ACCOUNTING	1733PC MCA	*			*				*		
	INTERNSHIP BASED PROJECT WORK	1734PC MIP	*	*		*	*					
<b>IV</b>	CORPORATE FINANCIAL ACCOUNTING	1741PC MCF	*						*		*	

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NAGINDAS KHANDWALA COLLEGE OF SCIENCE  
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	INDIRECT TAX	1742PC MGT	*	*			*	*				
	IFRS	1743PC MFR	*	*							*	
	RESEARCH BASED PROJECT	1744PC MRP	*	*	*	*	*					

**Table No. N.2: CO Attainment Level: Master of Commerce(Accountancy)-  
MCOM (Accountancy)-Academic Year-2021-22**

Sem ester	Course	Course Code	CO Attainme nt value	Attainme nt Target Level	Fully Attained/ Not Attained	Remedial Measures
I	STRATEGIC MANAGEMENT	1611PC MSM	3.4	2	Fully Attained	NA
	MICROECONOMICS	1612PC MEB	2.8	2	Fully Attained	NA
	COST AND MANAGEMENT ACCOUNTING	1613PC MCA	2.8	2	Fully Attained	NA
	BUSINESS ETHICS AND CSR	1614PC MBE	2	2	Fully Attained	NA
II	RESEARCH METHODOLOGY	1621PC MRM	2.6	2	Fully Attained	NA
	MACROECONOMICS	1622PC MME	2.4	2	Fully Attained	NA
	CORPORATE FINANCE	1623PC MCF	2.4	2	Fully Attained	NA
	E COMMERCE	1624PC MEC	3.4	2	Fully Attained	NA
III	ADVANCED FINANCIAL ACCOUNTING	1731PC MFA	3.8	2	Fully Attained	NA
	DIRECT TAX	1732PC MDT	2.6	2	Fully Attained	NA
	ADVANCED COST ACCOUNTING	1733PC MCA	3	2	Fully Attained	NA
	INTERNSHIP BASED PROJECT WORK	1734PC MIP	2	2	Fully Attained	NA
IV	CORPORATE FINANCIAL ACCOUNTING	1741PC MCF	3	2	Fully Attained	NA
	INDIRECT TAX	1742PC MIT	2.6	2	Fully Attained	NA
	IFRS	1743PC	2	2	Fully Attained	NA

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		MIF				
	RESEARCH BASED PROJECT	1744PC MRP	3	2	Fully Attained	NA
		Average	2.74			
NA: Not Applicable as target level is fully attained						

**Table No.N.2a: PO Attainment Level-MCOM (Accountancy)-2021-22**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2021-22	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. N.3: Results of CO-PO attainment-  
Master of Commerce (Accountancy)-MCOM (Accountancy)- Academic Year 2021-22**

Se m		Course Code	PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES				
			PO 1	PO 2	PO 3	PO 4	PO 5	PS O1	PS O2	PS O3	PS O4	PS O5
I	STRATEGIC MANAGEMENT	1611PCM SM	3.4		3.4	3.4	3.4					
	MICROECONOMICS	1612PCM EB	2.8			2.8						
	COST AND MANAGEMENT ACCOUNTING	1613PCM CA	2.8			2.8				2.8		
	BUSINESS ETHICS AND CSR	1614PCM BE	2			2						
II	RESEARCH METHODOLOGY	1621PCM RM	2.6	2.6	2.6		2.6					
	MACROECONOMICS	1622PCM ME	2.4			2.4						
	CORPORATE FINANCE	1623PCM CF	2.4	2.4	2.4		2.4				2.4	2.4

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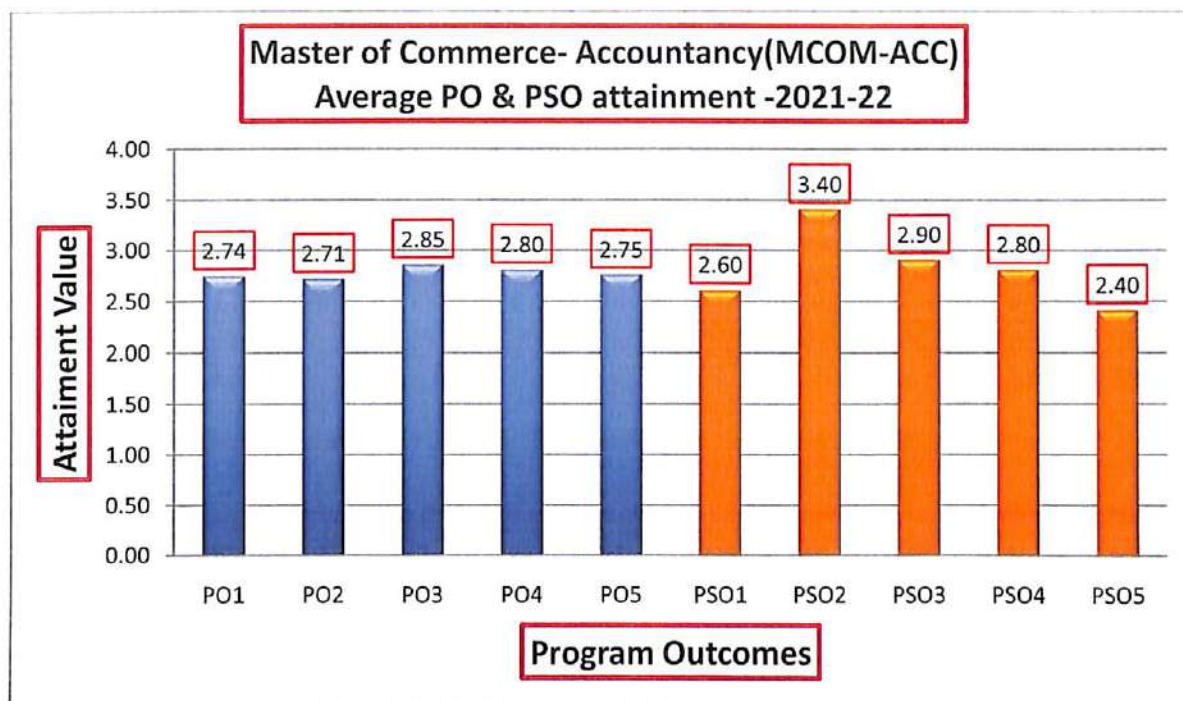
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	E COMMERCE	1624PCM EC	3.4	3.4			3.4					
III	ADVANCED FINANCIAL ACCOUNTING	1731PCM FA	3.8	3.8		3.8			3.8		3.8	
	DIRECT TAX	1732PCM DT	2.6	2.6			2.6	2.6				
	ADVANCED COST ACCOUNTING	1733PCM CA	3			3				3		
	INTERNSHIP BASED PROJECT WORK	1734PCM IP	2	2		2	2					
IV	CORPORATE FINANCIAL ACCOUNTING	1741PCM CF	3						3		3	
	INDIRECT TAX	1742PCM IT	2.6	2.6			2.6	2.6				
	IFRS	1743PCM FR	2	2							2	
	RESEARCH BASED PROJECT	1744PCM RP	3	3	3	3	3					
		Average	2.7 4	2.7 1	2.8 5	2.8 0	2.7 5	2.6 0	3.4 0	2.9 0	2.8 0	2.4 0

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

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## ANNEXTURE O

Master of Commerce(Management)-MCOM (Management)

Table No. O.1: PO CO Mapping Matrix:

Master of Commerce(Management) - MCOM (Management)

Academic Year-2021-22

			PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES (MANAGEMENT)				
Se m	Course	Course Code	P O 1	P O 2	P O 3	P O 4	P O 5	PS O1	PS O2	PS O3	PSO 4	PS O5
<b>I</b>	STRATEGIC MANAGEMENT	1611PCM SM	*		*	*	*					
	MICROECONOMICS	1612PCM EB	*			*						
	SERVICE MARKETING	1613PCM SM	*			*	*	*	*	*	*	*
	BUSINESS ETHICS AND CSR	1614PCM BE	*			*						
<b>II</b>	RESEARCH METHODOLOGY	1621PCM RM	*	*	*		*					
	MACROECONOMICS	1622PCM ME	*			*						
	RETAIL MANAGEMENT	1623PCM RM	*	*		*	*	*	*	*	*	*
	E COMMERCE	1624PCM EC	*	*			*					
<b>III</b>	RURAL MARKETING	1731PCM RM	*			*		*	*			*
	ENTREPRENEURSHIP	1732PCM EP	*		*	*	*	*	*	*	*	*
	ORGANISATIONAL BEHAVIOUR	1733PCM OB	*		*	*	*	*	*	*		
	INTERNSHIP BASED PROJECT WORK	1734PCM IP	*	*		*	*					
<b>IV</b>	RESEARCH BASED PROJECT	1744PCM RP	*	*	*	*	*					
	SUPPLY CHAIN MANAGEMENT	1741PCM ML	*	*		*		*	*			*

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BRAND MANAGEMENT	2142PCM BM	*			*	*	*	*	*	*		*
MANAGEMENT OF BUSINESS RELATIONS	1743PCM BR	*			*	*	*	*	*	*		*

**Table No. O.2: CO Attainment Level: Master of Commerce(Management)-  
MCOM (Management)-Academic Year-2021-22**

Seme ster	Course	Course Code	CO Attainme nt value	Attainme nt Target Level	Fully Attained/ Not Attained	Remedial Measures
I	STRATEGIC MANAGEMENT	1611PC MSM	2	2	Fully Attained	NA
	MICROECONOMIC S	1612PC MEB	3.4	2	Fully Attained	NA
	SERVICE MARKETING	1715PC MMK	2.4	2	Fully Attained	NA
	BUSINESS ETHICS AND CSR	1614PC MBE	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
II	RESEARCH METHODOLOGY	1621PC MRM	2.6	2	Fully Attained	NA
	MACROECONOMI CS	1622PC MME	2.4	2	Fully Attained	NA
	RETAIL MANAGEMENT	1723PC MRM	2	2	Fully Attained	NA
	E COMMERCE	1624PC MEC	2	2	Fully Attained	NA
III	RURAL MARKETING	1731PC MRM	2	2	Fully Attained	NA
	ENTREPRENEURS HIP	1732PC MEP	2	2	Fully Attained	NA
	ORGANISATIONA L BEHAVIOUR	1733PC MOB	3.2	2	Fully Attained	NA
	INTERNSHIP BASED PROJECT WORK	1734PC MIP	5	2	Fully Attained	NA
IV	RESEARCH BASED PROJECT	1744PC MRP	2	2	Fully Attained	NA
	SUPPLY CHAIN	1741PC	2	2	Fully	NA

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	MANAGEMENT	MML			Attained	
	BRAND MANAGEMENT	1742PC MBM	3.8	2	Fully Attained	NA.
	MANAGEMENT OF BUSINESS RELATIONS	1743PC MBR	2	2	Fully Attained	NA
		Average	2.54			

NA: Not Applicable as target level is fully attained.

**Table No. O.2a: PO Attainment Level-(Management)-2021-22**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2021-22	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. O.3: Results of CO-PO attainment-  
Master of Commerce(Management)- MCOM (Management) Academic Year 2021-22**

S e m	Course	Course Code	PROGRAMME OUTCOME					PROGRAMME SPECIFIC OUTCOMES				
			P O 1	P O 2	P O 3	P O 4	P O 5	PS O1	PS O2	PS O3	PS O4	PS O5
I	STRATEGIC MANAGEMENT	1611PCM SM	2		2	2	2					
	MICROECONOMICS	1612PCM EB	3.4			3.4						
	SERVICE MARKETING	1715PCM MK	2.4			2.4	2.4	2.4	2.4	2.4	2.4	2.4
	BUSINESS ETHICS AND CSR	1614PCM BE	1.8			1.8						
II	RESEARCH METHODOLOGY	1621PCM RM	2.6	2.6	2.6		2.6					
	MACROECONOMICS	1622PCM ME	2.4			2.4						

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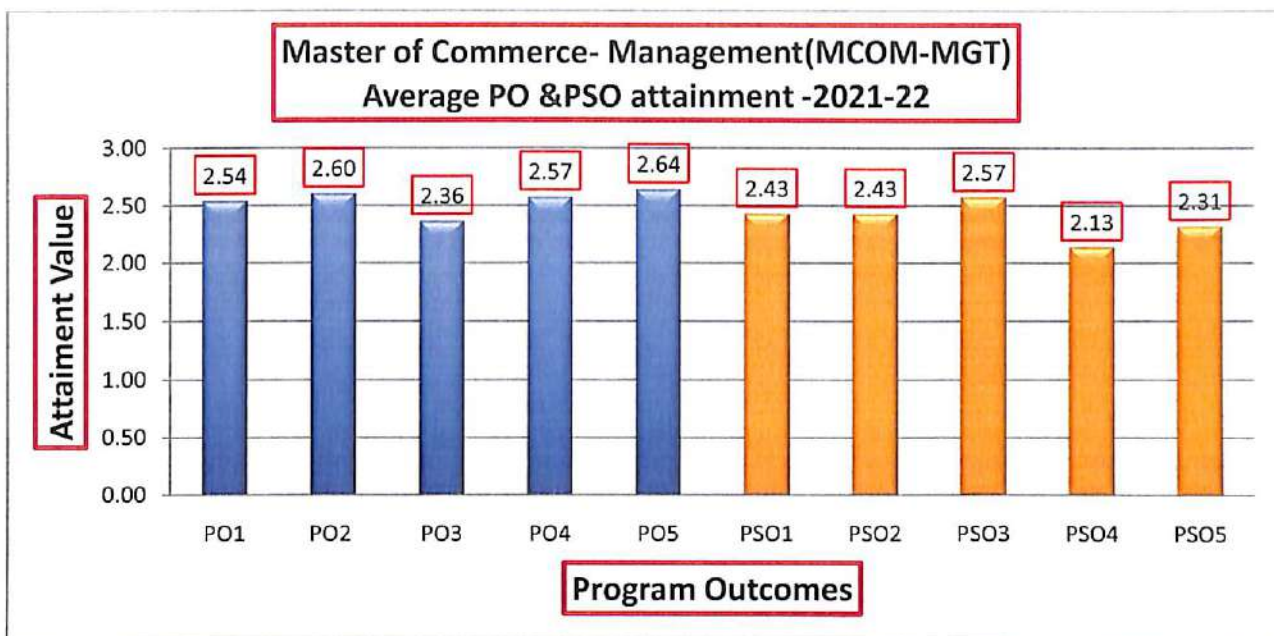
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	RETAIL MANAGEMENT	1723PCM RM	2	2		2	2	2	2	2	2	2
	E COMMERCE	1624PCM EC	2	2			2					
II I	RURAL MARKETING	1731PCM RM	2			2		2	2			2
	ENTREPRENEURS HIP	1732PCM EP	2		2	2	2	2	2	2	2	2
	ORGANISATIONA L BEHAVIOUR	1733PCM OB	3. 2		3. 2	3. 2	3. 2	3.2	3.2	3.2		
	INTERNSHIP BASED PROJECT WORK	1734PCM IP	5	5		5	5					
I V	RESEARCH BASED PROJECT	1744PCM RP	2	2	2	2	2					
	SUPPLY CHAIN MANAGEMENT	1741PCM ML	2	2		2		2	2			2
	BRAND MANAGEMENT	1742PCM BM	3. 8			3. 8	3. 8	3.8	3.8	3.8		3.8
	MANAGEMENT OF BUSINESS RELATIONS	1743PCM BR	2			2	2	2	2	2		2
		Average	2. 54	2. 60	2. 36	2. 57	2. 64	2.4 3	2.4 3	2.5 7	2.1 3	2.31

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**(AUTONOMOUS)**  
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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 P

### Master of Science(Information Technology) - M.Sc.(IT)

Table No. P.1: PO CO Mapping Matrix:

Master of Science(Information Technology)-M.Sc.(IT) Academic Year-2021-22

Sem ester	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
I	RESEARCH IN COMPUTING	2011PITR C	*	*			*	*	*	*	*	*		*
	MACHINE LEARNING	2012PITM L	*	*	*	*	*				*	*	*	*
	FOUNDATIONS OF DATA SCIENCE	2013PITF D	*	*	*			*	*		*			*
	DISTRIBUTED SYSTEMS	2013PITD S	*	*	*	*					*			
	CYBER AND INFORMATION SECURITY	2014PITC S	*	*	*	*					*			
	ANALYSIS OF ALGORITHMS	2014PITA A	*	*	*			*	*	*	*	*		
	RESEARCH IN COMPUTING PRACTICAL	2015PITR C	*	*			*	*	*	*	*	*		*
	MACHINE LEARNING PRACTICAL	2016PITM L	*	*	*	*	*				*	*	*	*
	FOUNDATIONS OF DATA SCIENCE PRACTICAL	2017PITF D	*	*	*			*	*		*			*
	DISTRIBUTED SYSTEMS PRACTICAL	2017PITD S	*	*	*	*					*			
	CYBER AND INFORMATION SECURITY PRACTICAL	2018PITC S	*	*	*	*					*			
	ANALYSIS OF ALGORITHMS PRACTICAL	2018PITA A	*	*	*			*	*	*	*	*		

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II	INTERNSHIP/ RESEARCH PAPER/ MINI- PROJECT	2021PITR P	*	*	*	*	*	*	*	*	*	*	*	*
	SOFT COMPUTING	2022PITS C	*	*	*			*	*		*	*		
	FOUNDATION S OF BIG DATA	2023PITB D	*	*	*			*			*	*	*	*
	CLOUD COMPUTING	2023PITC C	*	*	*	*						*		*
	COMPUTER FORENSIC	2024PITC F	*	*	*	*	*				*			*
	OPTIMIZATIO N TECHNIQUES	2024PITO T	*	*	*			*	*		*			
	PAPER PRESENTATIO N/ PAPER PUBLICATION	2025PITR P	*	*	*	*	*	*	*	*	*	*	*	*
	SOFT COMPUTING PRACTICAL	2026PITS C	*	*	*			*	*		*	*		
	FOUNDATION S OF BIG DATA PRACTICAL	2027PITB D	*	*	*			*			*	*	*	*
	CLOUD COMPUTING PRACTICAL	2027PITC C	*	*	*	*						*		*
	COMPUTER FORENSIC PRACTICAL	2028PITC F	*	*	*	*					*			*
	OPTIMIZATIO N TECHNIQUES PRACTICAL	2028PITO T	*	*	*			*	*		*			
III	ARTIFICIAL INTELLIGENC E	2131PITAI	*		*	*	*	*				*		
	ENTREPRENE URSHIP AND ETHICS IN IT	2132PITE E	*	*	*			*	*		*		*	*

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	ENGINEERING BLOCKCHAIN APPLICATION S	2134PITE BC	*	*	*	*	*		*			*		
	ETHICAL HACKING OFFENSIVE PENETRATION TESTING	2134PITE H	*	*	*	*	*		*			*		*
	IMAGE PROCESSING	2136PITIP	*		*	*	*		*			*	*	
	MASTERING MICROSERVIC ES WITH PYTHON, FLASK, AND DOCKER	2136PITM M	*		*	*	*	*	*			*		
	ARTIFICIAL INTELLIGENC E PRACTICAL	2131PITAI P	*		*	*	*	*	*	*		*		
	PROJECT	2133PITP R	*	*	*	*	*	*	*	*	*	*		*
	ENGINEERING BLOCKCHAIN APPLICATION S PRACTICAL	2134PITE BCP	*		*	*	*	*		*		*	*	*
	ETHICAL HACKING OFFENSIVE PENETRATION TESTING PRACTICAL	2134PITE HP	*		*	*	*	*		*		*	*	*
	IMAGE PROCESSING PRACTICAL	2136PITIP P	*		*	*	*		*			*	*	
	MASTERING MICROSERVIC ES WITH PYTHON, FLASK, AND DOCKER PRACTICAL	2136PITM MP	*		*	*	*	*	*			*	*	*
IV	INTRODUCTIO N TO DEEP LEARNING	2141PITD L	*		*	*	*	*	*			*		

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DEVELOPING BLOCKCHAIN- BASED IDENTITY APPLICATION S	2143PITD BC	*		*	*	*	*	*	*		*		*
SECURITY OPERATIONS MANAGEMEN T	2143PITS OM	*	*	*	*	*	*	*	*		*	*	
ADVANCED IMAGE PROCESSING	2145PITAI P	*		*	*	*		*			*	*	
ADVANCED LINUX SYSTEM ADMINISTRAT ION	2145PITA LSA	*	*	*		*			*	*		*	*
INTRODUCTIO N TO DEEP LEARNING PRACTICAL	2141PITD LP	*		*	*	*	*	*			*		
PROJECT	2142PITP R	*	*	*	*	*	*	*	*	*	*		*
DEVELOPING BLOCKCHAIN- BASED IDENTITY APPLICATION S PRACTICAL	2143PITD BCP	*		*	*	*	*	*			*	*	
SECURITY OPERATIONS MANAGEMEN T PRACTICAL	2143PITS OMP	*	*	*	*	*	*	*	*		*	*	
ADVANCED IMAGE PROCESSING PRACTICAL	2145PITAI PP	*		*	*	*		*			*	*	
ADVANCED LINUX SYSTEM ADMINISTRAT ION PRACTICAL	2145PITA LSP	*	*	*		*			*	*		*	*

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**Table No. P.2: CO Attainment Level: Master of Science(Information Technology)-  
M.Sc.(IT)-Academic Year-2021-22**

Seme ster	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	RESEARCH IN COMPUTING	2011PITRC	3	2	Fully Attained	NA
	MACHINE LEARNING	2012PITML	3.6		Fully Attained	NA
	FOUNDATIONS OF DATA SCIENCE	2013PITFD	3.4	2	Fully Attained	NA
	DISTRIBUTED SYSTEMS	2013PITDS	NA	NA	NA	NA
	CYBER AND INFORMATION SECURITY	2014PITCS	4	2	Fully Attained	NA
	ANALYSIS OF ALGORITHMS	2014PITAA	NA	NA	NA	NA
	RESEARCH IN COMPUTING PRACTICAL	2015PITRC	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	MACHINE LEARNING PRACTICAL	2016PITML	2.5	2	Fully Attained	NA
	FOUNDATIONS OF DATA SCIENCE PRACTICAL	2017PITFD	2	2	Fully Attained	NA
	DISTRIBUTED SYSTEMS PRACTICAL	2017PITDS	NA	NA	NA	NA
II	CYBER AND INFORMATION SECURITY PRACTICAL	2018PITCS	2.5	2	Fully Attained	NA
	ANALYSIS OF ALGORITHMS PRACTICAL	2018PITAA	NA	NA	NA	NA
	INTERNSHIP/ RESEARCH PAPER/ MINI- PROJECT	2021PITRP	2.8	2	Fully Attained	NA
	SOFT	2022PITSC	2.4	2	Fully	NA

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III	COMPUTING				Attained	
	FOUNDATIONS OF BIG DATA	2023PITBD	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	CLOUD COMPUTING	2023PITCC	NA	NA	NA	NA
	COMPUTER FORENSIC	2024PITCF	3.2	2	Fully Attained	NA
	OPTIMIZATION TECHNIQUES	2024PITOT	NA	NA	NA	NA
	PAPER PRESENTATION / PAPER PUBLICATION	2025PITRP	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	SOFT COMPUTING PRACTICAL	2026PITSC	2	2	Fully Attained	NA
	FOUNDATIONS OF BIG DATA PRACTICAL	2027PITBD	2.5	2	Fully Attained	NA
	CLOUD COMPUTING PRACTICAL	2027PITCC	NA	NA	NA	NA
	COMPUTER FORENSIC PRACTICAL	2028PITCF	2	2	Fully Attained	NA
	OPTIMIZATION TECHNIQUES PRACTICAL	2028PITOT	NA	NA	NA	NA
	ARTIFICIAL INTELLIGENCE	2131PITAI	3.4	2	Fully Attained	NA
	ENTREPRENEURSHIP AND ETHICS IN IT	2132PITEE	2.4	2	Fully Attained	NA
	ENGINEERING BLOCKCHAIN APPLICATIONS	2134PITEB C	2.4	2	Fully Attained	NA
	ETHICAL HACKING OFFENSIVE PENETRATION TESTING	2134PITEH	NA	NA	NA	NA
	IMAGE PROCESSING	2136PITIP	2	2	Fully	NA

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					Attained	
	MASTERING MICROSERVICES WITH PYTHON, FLASK, AND DOCKER	2136PITMM	NA	NA	NA	NA
	ARTIFICIAL INTELLIGENCE PRACTICAL	2131PITAIP	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	PROJECT	2133PITPR	1	2	Not Attained	Extra exercises and remedial coaching shall be planned.
	ENGINEERING BLOCKCHAIN APPLICATIONS PRACTICAL	2134PITEBCP	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	ETHICAL HACKING OFFENSIVE PENETRATION TESTING PRACTICAL	2134PITEHP	NA	NA	NA	NA
	IMAGE PROCESSING PRACTICAL	2136PITIPP	2	2	Fully Attained	NA
	MASTERING MICROSERVICES WITH PYTHON, FLASK, AND DOCKER PRACTICAL	2136PITMP	NA	NA	NA	NA
IV	INTRODUCTION TO DEEP LEARNING	2141PITDL	2	2	Fully Attained	NA
	DEVELOPING BLOCKCHAIN-BASED IDENTITY APPLICATIONS	2143PITDBC	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	SECURITY	2143PITSO	NA	NA	NA	NA

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	OPERATIONS MANAGEMENT	M				
	ADVANCED IMAGE PROCESSING	2145PITAIP	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	ADVANCED LINUX SYSTEM ADMINISTRATION	2145PITALSA	NA	NA	NA	NA
	INTRODUCTION TO DEEP LEARNING PRACTICAL	2141PITDLP	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	PROJECT	2142PITPR	3	2	Fully Attained	NA
	DEVELOPING BLOCKCHAIN-BASED IDENTITY APPLICATIONS PRACTICAL	2143PITDBCP	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	SECURITY OPERATIONS MANAGEMENT PRACTICAL	2143PITSO MP	NA	NA	NA	NA
	ADVANCED IMAGE PROCESSING PRACTICAL	2145PITAIP P	2	2	Fully Attained	NA
	ADVANCED LINUX SYSTEM ADMINISTRATION PRACTICAL	2145PITALSP	NA	NA	NA	NA
		Average	2.23			

Table No. P.2a: PO Attainment Level-M.Sc.-IT-2021-22

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2021-22	4	4	Fully Attained	NA
NA: Not Applicable as target level 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. P.3: Results of CO-PO attainment-  
Master of Science(Information Technology)- M.Sc.-(IT) Academic Year 2021-22**

Semester	Subject	Course Code	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	PO 10	PO 11	PO 12
Sem 1	RESEARCH IN COMPUTING	2011PIT RC	3	3			3	3	3	3	3	3		3
	MACHINE LEARNING	2012PIT ML	3.6	3.6	3.6	3.6	3.6				3.6	3.6	3.6	3.6
	FOUNDATIONS OF DATA SCIENCE	2013PITF D	3.4	3.4	3.4			3.4	3.4		3.4			3.4
	CYBER AND INFORMATION SECURITY	2014PIT CS	4	4	4	4					4			
	RESEARCH IN COMPUTING PRACTICAL	2015PIT RC	1.5	1.5			1.5	1.5	1.5	1.5	1.5	1.5		1.5
	MACHINE LEARNING PRACTICAL	2016PIT ML	2.5	2.5	2.5	2.5	2.5				2.5	2.5	2.5	2.5
	FOUNDATIONS OF DATA SCIENCE PRACTICAL	2017PITF D	2	2	2			2	2		2			2
	CYBER AND INFORMATION SECURITY PRACTICAL	2018PIT CS	2.5	2.5	2.5	2.5					2.5			
Sem 2	INTERNSHIP/ RESEARCH PAPER/ MINI-PROJECT	2021PIT RP	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8		2.8

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	SOFT COMPUTING	2022PITS C	2.4	2.4	2.4			2.4	2.4		2.4	2.4		
	FOUNDATIONS OF BIG DATA	2023PIT BD	1.8	1.8	1.8			1.8			1.8	1.8	1.8	1.8
	COMPUTER FORENSIC	2024PIT CF	3.2	3.2	3.2	3.2	3.2				3.2			3.2
	PAPER PRESENTATION/ PAPER PUBLICATION	2025PIT RP	1	1	1	1	1	1	1	1	1	1		1
	SOFT COMPUTING PRACTICAL	2026PITS C	2	2	2			2	2		2	2		
	FOUNDATIONS OF BIG DATA PRACTICAL	2027PIT BD	2.5	2.5	2.5			2.5			2.5	2.5	2.5	2.5
	COMPUTER FORENSIC PRACTICAL	2028PIT CF	2	2	2	2					2			2
Sem 3	ARTIFICIAL INTELLIGENCE	2131PIT AI	3.4		3.4	3.4	3.4	3.4				3.4		
	ENTREPRENEURSHIP AND ETHICS IN IT	2132PITE E	2.4	2.4	2.4			2.4	2.4		2.4		2.4	2.4
	ENGINEERING BLOCKCHAIN APPLICATIONS	2134PITE BC	2.4	2.4	2.4	2.4	2.4		2.4			2.4		
	IMAGE PROCESSING	2136PITI P	2		2	2	2		2			2	2	
	ARTIFICIAL INTELLIGENCE PRACTICAL	2131PIT AIP	1		1	1	1	1	1	1		1		
	PROJECT	2133PITP R	1	1	1	1	1	1	1	1	1	1		1
	ENGINEERING BLOCKCHAIN APPLICATIONS	2134PITE BCP	1.5		1.5	1.5	1.5	1.5		1.5		1.5	1.5	1.5

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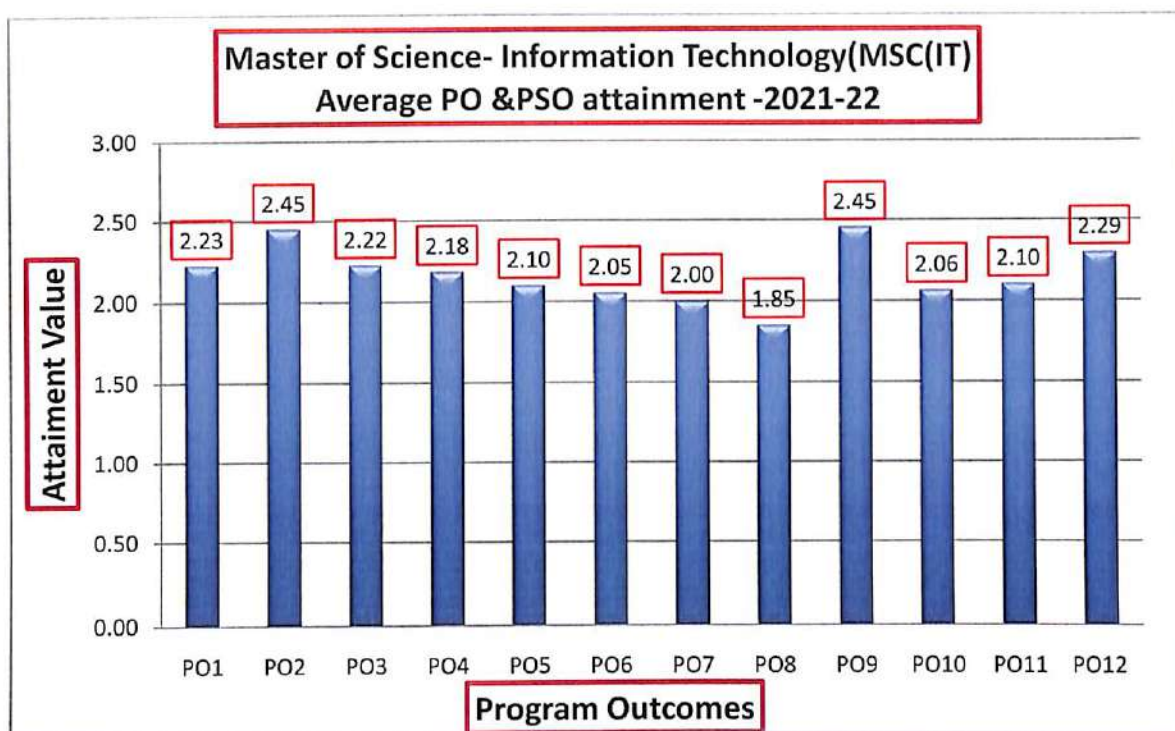
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	NS PRACTICAL													
	IMAGE PROCESSING PRACTICAL	2136PITI PP	2		2	2	2		2			2	2	
Sem 4	INTRODUCTION TO DEEP LEARNING	2141PIT DL	2		2	2	2	2	2			2		
	DEVELOPING BLOCKCHAIN-BASED IDENTITY APPLICATIONS	2143PIT DBC	1.8		1.8	1.8	1.8	1.8	1.8			1.8		1.8
	ADVANCED IMAGE PROCESSING	2145PIT AIP	1.8		1.8	1.8	1.8		1.8			1.8	1.8	
	INTRODUCTION TO DEEP LEARNING PRACTICAL	2141PIT DLP	1.5		1.5	1.5	1.5	1.5	1.5			1.5		
	PROJECT	2142PIT PR	3	3	3	3	3	3	3	3	3	3		3
	DEVELOPING BLOCKCHAIN-BASED IDENTITY APPLICATIONS PRACTICAL	2143PIT DBCP	1		1	1	1	1	1			1	1	
	ADVANCED IMAGE PROCESSING PRACTICAL	2145PIT AIPP	2		2	2	2		2			2	2	
		Average	2.23	2.45	2.22	2.18	2.10	2.05	2.00	1.85	2.45	2.06	2.10	2.29

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From above graph, it is observed that average PO attainment value for all but one 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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## ANNEXTURE Q

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

Table No. Q.1: PO CO Mapping Matrix:

**Master of Arts(Industrial Psychology)- MA(Industrial Psychology)- Academic  
Year-2021-22**

Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6
Semester 1	POSITIVE PSYCHOLOGY	1911PSYPO	*	*	*		*	
	PERSONALITY PSYCHOLOGY	1912PPSYPP	*	*	*		*	
	EDUCATIONAL PSYCHOLOGY	1913PPSYEP		*	*		*	
	RESEARCH METHODS IN PSYCHOLOGY	1914PPSYRM	*	*	*	*	*	*
	PRACTICAL IN PSYCHOLOGY EXPERIMENTS	1915PPSYPR	*	*	*	*	*	*
Semester 2	APPLIED COGNITIVE PSYCHOLOGY	1921PPSYAC		*	*		*	
	PSYCHOLOGICAL CAPITAL	1922PPSYPC	*	*	*		*	
	CHILD PSYCHOLOGY	1923PPSYCP		*	*		*	
	STATISTICS IN PSYCHOLOGY	1924PPSYSP	*	*	*	*	*	*
	PRACTICALS IN PSYCHOLOGY – TESTING AND PSYCHOMETRICS	1925PPSYPR	*	*	*	*	*	*
Semester 3	INDUSTRIAL PSYCHOLOGY	1931PPSYIP	*	*	*		*	*
	ORGANIZATIONAL BEHAVIOUR	1932PPSYOB	*	*	*		*	*
	HUMAN RESOURCE MANAGEMENT	1933PPSYHR	*	*	*		*	*
	CONSUMER BEHAVIOUR	1934PPSYCB	*	*	*		*	*
	FIELD WORK AND DISSERTATION	1935PPSYFD	*	*	*	*	*	*
Semester 4	HUMAN RESOURCE DEVELOPMENT	1941PPSYHD	*	*	*		*	*
	ORGANIZATIONAL DEVELOPMENT	1942PPSYOD	*	*	*		*	*
	CULTURAL PSYCHOLOGY	1943PPSYCP	*	*	*		*	*
	WORKPLACE RELATIONSHIPS	1944PPSYWR	*	*	*		*	*
	FIELDWORK AND DISSERTATION	1945PPSYFD	*	*	*	*	*	*

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**Table No. Q.2: CO Attainment Level: Master of Arts(Industrial Psychology)-  
MA(Industrial Psychology)- Academic Year-2021-22**

Se m es ter	Course	Course Code	CO Attainm ent value	Attainme nt Target Level	Fully Attained/ Not Attained	Remedial Measures
I	POSITIVE PSYCHOLOGY	1911PSYPO	4	2	Fully Attained	NA
	PERSONALITY PSYCHOLOGY	1912PPSYPP	3.6	2	Fully Attained	NA
	EDUCATIONAL PSYCHOLOGY	1913PPSYEP	3.2	2	Fully Attained	NA
	RESEARCH METHODS IN PSYCHOLOGY	1914PPSYR M	3.4	2	Fully Attained	NA
	PRACTICAL IN PSYCHOLOGY EXPERIMENTS	1915PPSYPR	5	2	Fully Attained	NA
II	APPLIED COGNITIVE PSYCHOLOGY	1921PPSYAC	4.4	2	Fully Attained	NA
	PSYCHOLOGICAL CAPITAL	1922PPSYPC	3	2	Fully Attained	NA
	CHILD PSYCHOLOGY	1923PPSYCP	3.8	2	Fully Attained	NA
	STATISTICS IN PSYCHOLOGY	1924PPSYSP	2.4	2	Fully Attained	NA
	PRACTICALS IN PSYCHOLOGY – TESTING AND PSYCHOMETRICS	1925PPSYPR	3	2	Fully Attained	NA
III	INDUSTRIAL PSYCHOLOGY	1931PPSYIP	2	2	Fully Attained	NA
	ORGANIZATIONAL BEHAVIOUR	1932PPSYOB	2	2	Fully Attained	NA
	HUMAN RESOURCE MANAGEMENT	1933PPSYHR	2	2	Fully Attained	NA
	CONSUMER BEHAVIOUR	1934PPSYCB	2	2	Fully Attained	NA

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	FIELD WORK AND DISSERTATION	1935PPSYFD	2	2	Fully Attained	NA
IV	HUMAN RESOURCE DEVELOPMENT	1941PPSYHD	2	2	Fully Attained	NA
	ORGANIZATIONAL DEVELOPMENT	1942PPSYOD	3.8	2	Fully Attained	NA
	CULTURAL PSYCHOLOGY	1943PPSYCP	2	2	Fully Attained	NA
	WORKPLACE RELATIONSHIPS	1944PPSYWR	3.2	2	Fully Attained	NA
	FIELDWORK AND DISSERTATION	1945PPSYFD	2	2	Fully Attained	NA
		Average	2.94			
NA: Not Applicable as target level is fully attained						

**Table No. Q.2a: PO Attainment Level-MA(Industrial Psychology)- Year-2021-22**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2021-22	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. Q.3: Results of CO-PO attainment-**

**Master of Arts(Industrial Psychology)-MA(Industrial Psychology Academic Year 2020-21**

Semester	Subject	Course Code	PO 1	PO 2	PO3	PO 4	PO 5	P O6
Semester 1	POSITIVE PSYCHOLOGY	1911PSYPO	4	4	4		4	
	PERSONALITY PSYCHOLOGY	1912PPSYPP	3.6	3.6	3.6		3.6	
	EDUCATIONAL	1913PPSYEP	3.2	3.2	3.2		3.2	

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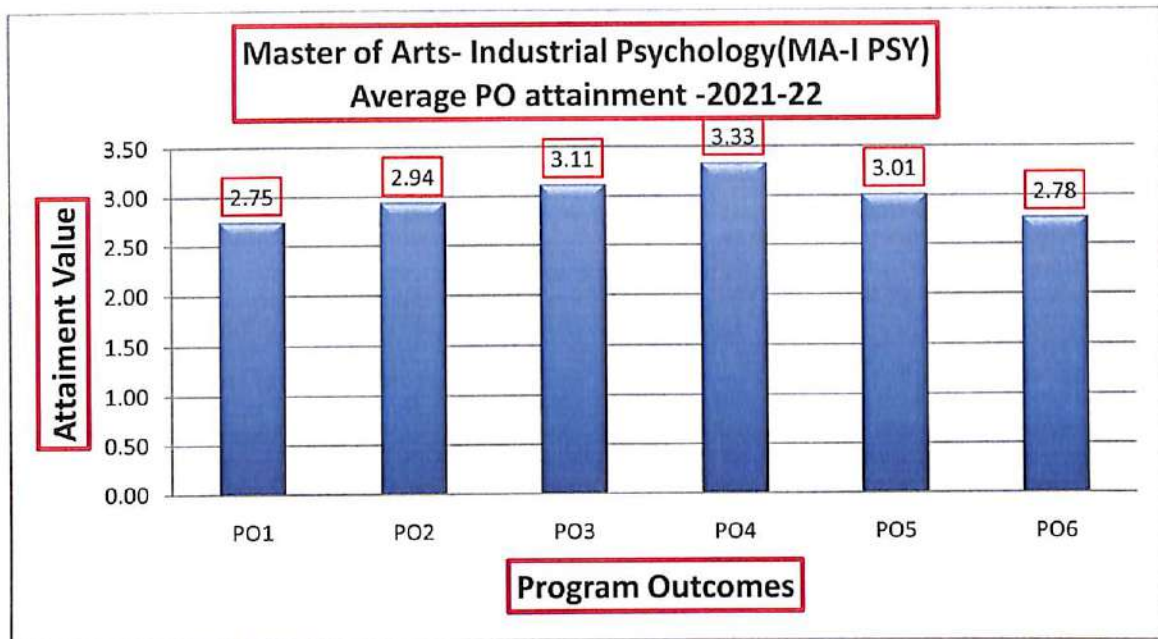
	PSYCHOLOGY							
	RESEARCH METHODS IN PSYCHOLOGY	1914PPSYRM	3.4	3.4	3.4	3.4	3.4	3.4
	PRACTICAL IN PSYCHOLOGY EXPERIMENTS	1915PPSYPR	5	5	5	5	5	5
Semester 2	APPLIED COGNITIVE PSYCHOLOGY	1921PPSYAC		4.4	4.4		4.4	
	PSYCHOLOGICAL CAPITAL	1922PPSYPC	3	3	3		3	
	CHILD PSYCHOLOGY	1923PPSYCP		3.8	3.8		3.8	
	STATISTICS IN PSYCHOLOGY	1924PPSYSP	2.4	2.4	2.4	2.4	2.4	2.4
	PRACTICAL IN PSYCHOLOGY – TESTING AND PSYCHOMETRICS	1925PPSYPR	3	3	3	3	3	3
Semester 3	INDUSTRIAL PSYCHOLOGY	1931PPSYIP	2	2	2		2	2
	ORGANIZATIONAL BEHAVIOUR	1932PPSYOB	2	2	2		2	2
	HUMAN RESOURCE MANAGEMENT	1933PPSYHR	2	2	2		2	2
	CONSUMER BEHAVIOUR	1934PPSYCB	2	2	2		2	2
	FIELD WORK AND DISSERTATION	1935PPSYFD	2	2	2	2	2	2
Semester 4	HUMAN RESOURCE DEVELOPMENT	1941PPSYHD	2	2	2		2	2
	ORGANIZATIONAL DEVELOPMENT	1942PPSYOD	3.8	3.8	3.8		3.8	3.8
	CULTURAL PSYCHOLOGY	1943PPSYCP	2	2	2		2	2
	WORKPLACE RELATIONSHIPS	1944PPSYWR	3.2	3.2	3.2		3.2	3.2
	FIELDWORK AND DISSERTATION	1945PPSYFD	2	2	2	2	2	2
		Average	2.75	2.94	3.11	3.33	3.01	2.78

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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 R

### Master of Science(Geoinformatics) - M.Sc.(Geoinformatics)

Table No. R.1: PO CO Mapping Matrix:

Master of Science (Geoinformatics)-M.Sc.( Geoinformatics) Academic Year-2021-22

			PROGRAMME OUTCOME					
Semester	Course Name	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
I	FUNDAMENTALS OF REMOTE SENSING	2021PGIFRS	*	*	*	*	*	*
	FUNDAMENTALS OF THE EARTH'S SYSTEM	2022PGIFES	*		*	*	*	*
	FUNDAMENTALS OF MATHEMATICS	2023PGIFMS		*		*		*
	FUNDAMENTALS OF COMPUTERS	2024PGIFCM		*	*	*		*
	TOOLS AND TECHNIQUES IN GEO INFORMATICS - I	2025PGITTG	*	*	*	*	*	*
	TOOLS AND TECHNIQUES IN GEO INFORMATICS - II	2026PGITTG	*	*	*	*	*	*
II	INTRODUCTION TO GEO INFORMATICS	2011PGIIGI	*		*	*	*	*
	SPATIAL ANALYSIS ON STATISTICAL METHODS	2012PGISAS	*	*	*		*	
	DIGITAL IMAGE PROCESSING	2013PGIDIP	*	*	*	*	*	*
	PROGRAMMING WITH PYTHON	2014PGIPPY	*	*	*	*	*	*
	TOOLS AND TECHNIQUES IN GEO INFORMATICS – III	2015PGITTG	*	*	*	*	*	*
	TOOLS AND TECHNIQUES IN GEOINFORMATICS – IV	2016PGITTG	*	*	*	*	*	*
III	RESEARCH METHODOLOGY	2131PGIRMY	*		*	*		
	ADVANCES IN REMOTE SENSING AND ADVANCED TECHNIQUES IN	2132PGIARST	*	*	*	*	*	*

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	SPATIAL DATA PROCESSING							
	ADVANCES IN GIS	2133PGIGIS	*	*		*	*	*
	WEB DESIGNING	2134PGWDS		*				*
	PROJECT	2135PGIPRJ	*	*	*	*	*	*
IV	GEO INFORMATICS AND HEALTH CARE	2141PGIGHC	*		*	*	*	*
	DATABASE MANAGEMENT SYSTEMS	2142PGIDMS	*	*	*	*	*	*
	DISSERTATION	2143PGIDISN	*	*	*	*	*	*

**Table No. R.2: CO Attainment Level: Master of Science (Geoinformatics)-  
M.Sc.( Geoinformatics) Academic Year-2021-22**

Sem ester	Course	Course Code	CO Attain ment value	Attainme nt Target Level	Fully Attained/ Not Attained	Remedial Measures
I	FUNDAMENTALS OF REMOTE SENSING	2021PGIFRS	4.6	2	Fully Attained	NA
	FUNDAMENTALS OF THE EARTH'S SYSTEM	2022PGIFES	4	2	Fully Attained	NA
	FUNDAMENTALS OF MATHEMATICS	2023PGIFM S	3.8	2	Fully Attained	NA
	FUNDAMENTALS OF COMPUTERS	2024PGIFC M	4.6	2	Fully Attained	NA
	TOOLS AND TECHNIQUES IN GEO INFORMATICS - I	2025PGITTG	5	2	Fully Attained	NA
	TOOLS AND TECHNIQUES IN GEO INFORMATICS - II	2026PGITTG	5	2	Fully Attained	NA
II	INTRODUCTION TO GEO INFORMATICS	2011PGIIGI	3.4	2	Fully Attained	NA

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	SPATIAL ANALYSIS ON STATISTICAL METHODS	2012PGISAS	2.8	2	Fully Attained	NA
	DIGITAL IMAGE PROCESSING	2013PGIDIP	4.4	2	Fully Attained	NA
	PROGRAMMING WITH PYTHON	2014PGIPPY	4.4	2	Fully Attained	NA
	TOOLS AND TECHNIQUES IN GEO INFORMATICS – III	2015PGITTG	4	2	Fully Attained	NA
	TOOLS AND TECHNIQUES IN GEOINFORMATICS – IV	2016PGITTG	2	2	Fully Attained	NA
III	RESEARCH METHODOLOGY	2131PGIRMY	2.6	2	Fully Attained	NA
	ADVANCES IN REMOTE SENSING AND ADVANCED TECHNIQUES IN SPATIAL DATA PROCESSING	2132PGIARST	1.8	2	Fully Attained	NA
	ADVANCES IN GIS	2133PGIGIS	3.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	WEB DESIGNING	2134PGWDS	3.8	2	Fully Attained	NA
	PROJECT	2135PGIPRJ	3.4	2	Fully Attained	NA
IV	GEO INFORMATICS AND HEALTH CARE	2141PGIGHC	2.6	2	Fully Attained	NA
	DATABASE MANAGEMENT SYSTEMS	2142PGIDMS	3	2	Fully Attained	NA
	DISSERTATION	2143PGIDISN	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching

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						shall be planned.
		Average	3.5			
NA: Not Applicable as target level is fully attained						

**Table No. R.2a: PO Attainment Level-Master of Science (Geoinformatics)-  
M.Sc.( Geoinformatics) Academic Year-2021-22**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2021-22	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. R.3: Results of CO-PO attainment-  
Master of Science (Geoinformatics)-M.Sc.( Geoinformatics) Academic Year-2021-22**

Semester	Course Name	Course Code	PROGRAMME OUTCOME					
			PO1	PO2	PO3	PO4	PO5	PO6
I	FUNDAMENTALS OF REMOTE SENSING	2021PGIFRS	4.6	4.6	4.6	4.6	4.6	4.6
	FUNDAMENTALS OF THE EARTH'S SYSTEM	2022PGIFES	4		4	4	4	4
	FUNDAMENTALS OF MATHEMATICS	2023PGIFMS		3.8		3.8		3.8
	FUNDAMENTALS OF COMPUTERS	2024PGIFCM		4.6	4.6	4.6		4.6
	TOOLS AND TECHNIQUES IN GEO INFORMATICS - I	2025PGITTG	5	5	5	5	5	5
	TOOLS AND TECHNIQUES IN GEO INFORMATICS - II	2026PGITTG	5	5	5	5	5	5

  
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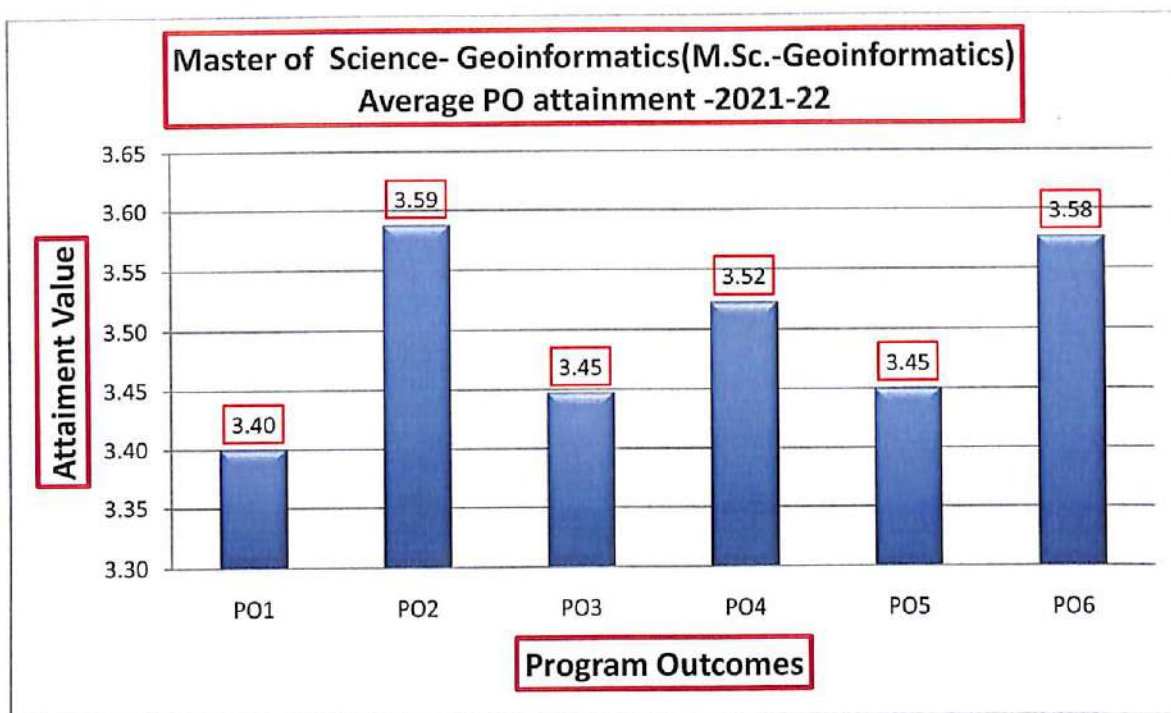
II	INTRODUCTION TO GEO INFORMATICS	2011PGIIGI	3.4		3.4	3.4	3.4	3.4
	SPATIAL ANALYSIS ON STATISTICAL METHODS	2012PGISAS	2.8	2.8	2.8		2.8	
	DIGITAL IMAGE PROCESSING	2013PGIDIP	4.4	4.4	4.4	4.4	4.4	4.4
	PROGRAMMING WITH PYTHON	2014PGIPPY	4.4	4.4	4.4	4.4	4.4	4.4
	TOOLS AND TECHNIQUES IN GEO INFORMATICS – III	2015PGITTG	4	4	4	4	4	4
	TOOLS AND TECHNIQUES IN GEOINFORMATICS – IV	2016PGITTG	2	2	2	2	2	2
III	RESEARCH METHODOLOGY	2131PGIRMY	2.6		2.6	2.6		
	ADVANCES IN REMOTE SENSING AND ADVANCED TECHNIQUES IN SPATIAL DATA PROCESSING	2132PGIARST	1.8	1.8	1.8	1.8	1.8	1.8
	ADVANCES IN GIS	2133PGIGIS	3.8	3.8		3.8	3.8	3.8
	WEB DESIGNING	2134PGWDS		3.8				*
	PROJECT	2135PGIPRJ	3.4	3.4	3.4	3.4	3.4	3.4
IV	GEO INFORMATICS AND HEALTH CARE	2141PGIGHC	2.6		2.6	2.6	2.6	2.6
	DATABASE MANAGEMENT SYSTEMS	2142PGIDMS	3	3	3	3	3	3
	DISSERTATION	2143PGIDISN	1	1	1	1	1	1
		Average	3.40	3.59	3.45	3.52	3.45	3.58

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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 S

### Master in Sports Management –

**Table No. S.1: PO CO Mapping Matrix: Master in Sports Management Academic Year-2021-22**

Semester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO6
I	FUNDAMENTALS OF SPORTS & NEW AGE DYNAMICS	1811MSFSD	*	*			*	*
	MANAGEMENT OF SPORTS LEAGUES & TEAMS	1812MSMLT	*	*			*	*
	SPORTS FACILITIES PLANNING & MANAGEMENT	1813MSSFP	*	*			*	*
	LEADERSHIP PRINCIPLES IN SPORTS	1814MSLPS	*	*			*	*
	SPORTS EQUIPMENT & TECHNOLOGY MANAGEMENT	1815MSETM	*				*	*
	BASICS OF PRACTICAL SPORTS MANAGEMENT - I	1816MSBPS		*	*	*	*	
II	SPORTS & ENTERTAINMENT MARKETING	1821MSENT	*	*			*	*
	SPORTS FUNDING & FINANCIAL MANAGEMENT	1822MSMFM	*	*			*	*
	SPORTS MEDIA, BROADCASTING & JOURNALISM	1823MSMBJ	*	*			*	*
	PR, SPONSORSHIP & ADVERTISING IN SPORTS	1824MSPSA	*	*			*	*
	SPORTS EVENT MANAGEMENT	1825MSSEM	*	*			*	*
	BASICS OF PRACTICAL SPORTS MANAGEMENT II	1826MSBPS		*	*	*	*	

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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		*	*	*	*	
IV	TOURISM MARKETING	1941MSTMK	*	*			*	
	SPORTS PSYCHOLOGY	1942MSPSY	*				*	*
	INTERNATIONAL SPORTS MANAGEMENT	1943MSISM	*				*	*
	ENTREPRENEURSHIP & PROJECT MANAGEMENT	1944MSEPM	*	*		*	*	
	SPORTS TRAINING & TACTICS	1945MSSTT	*	*			*	
	FINAL PROJECT REPORT	1946MSFPR	*	*	*	*	*	

**Table No. S.2: CO Attainment Level: Master in Sports Management  
Academic Year - 2021-22**

Seme ster	Course	Course code	CO Attain ment value	Attainme nt Target Level	Fully Attained/ Not Attained	Remedial Measures
I	FUNDAMENTAL S OF SPORTS & NEW AGE DYNAMICS	1811MSFSD	3	2	Fully Attained	NA
	MANAGEMENT OF SPORTS LEAGUES & TEAMS	1812MSMLT	2.2	2	Fully Attained	NA
	SPORTS FACILITIES	1813MSSFP	2.6	2	Fully Attained	NA

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	PLANNING & MANAGEMENT					
	LEADERSHIP PRINCIPLES IN SPORTS	1814MSLPS	4	2	Fully Attained	NA
	SPORTS EQUIPMENT & TECHNOLOGY MANAGEMENT	1815MSETM	2.8	2	Fully Attained	NA
	BASICS OF PRACTICAL SPORTS MANAGEMENT I	1816MSBPS	4	2	Fully Attained	NA
II	SPORTS & ENTERTAINMENT MARKETING	1821MSENT	3	2	Fully Attained	NA
	SPORTS FUNDING & FINANCIAL MANAGEMENT	1822MSMFM	2.8	2	Fully Attained	NA
	SPORTS MEDIA, BROADCASTING & JOURNALISM	1823MSMBJ	3.4	2	Fully Attained	NA
	PR, SPONSORSHIP & ADVERTISING IN SPORTS	1824MSPSA	3	2	Fully Attained	NA
	SPORTS EVENT MANAGEMENT	1825MSSEM	4	2	Fully Attained	NA
	BASICS OF PRACTICAL SPORTS MANAGEMENT II	1826MSBPS	4	2	Fully Attained	NA
III	MEDIA MANAGEMENT	1931MMSMED	3.4	2	Fully Attained	NA
	ETHICS & GOVERNANCE	1932MSEGV	2.4	2	Fully Attained	NA
	SPORTS LAW & RISK MANAGEMENT	1933MSLRM	3.4	2	Fully Attained	NA
	GLOBAL SPORTS TOURISM	1934MSGST	3	2	Fully Attained	NA

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	SPORTS HEALTH & NUTRITION	1935MSSHN	2.8	2	Fully Attained	NA
	PROFESSIONAL INDUSTRY ENGAGEMENT (PRACTICAL TRAINING)	1936MSPIE	4	2	Fully Attained	NA
IV	TOURISM MARKETING	1941MSTMK	1.2	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	SPORTS PSYCHOLOGY	1942MSPSY	3.4	2	Fully Attained	NA
	INTERNATIONAL SPORTS MANAGEMENT	1943MSISM	3.4	2	Fully Attained	NA
	ENTREPRENEURSHIP & PROJECT MANAGEMENT	1944MSEPM	3.2	2	Fully Attained	NA
	SPORTS TRAINING & TACTICS	1945MSSTT	2.8	2	Fully Attained	NA
	FINAL PROJECT REPORT	1946MSFPR	4	2	Fully Attained	NA
		Average	3.158			
NA: Not Applicable as target level is fully attained.						

**Table No. S.2a: PO Attainment Level-Master in Sports Management-  
Academic Year-2021-22**

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A 2021-22	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.

**TableS.3 : Results of CO-PO attainment**  
**Master of Sports Management – Academic Year 2021-22**

Seme ster	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO6
I	FUNDAMENTALS OF SPORTS & NEW AGE DYNAMICS	1811MSFSD	3	3			3	3
	MANAGEMENT OF SPORTS LEAGUES & TEAMS	1812MSMLT	2.2	2.2			2.2	2.2
	SPORTS FACILITIES PLANNING & MANAGEMENT	1813MSSFP	2.6	2.6			2.6	2.6
	LEADERSHIP PRINCIPLES IN SPORTS	1814MSLPS	4	4			4	4
	SPORTS EQUIPMENT & TECHNOLOGY MANAGEMENT	1815MSETM	2.8				2.8	2.8
	BASICS OF PRACTICAL SPORTS MANAGEMENT - I	1816MSBPS		4	4	4	4	
II	SPORTS & ENTERTAINMENT MARKETING	1821MSENT	3	3			3	3
	SPORTS FUNDING & FINANCIAL MANAGEMENT	1822MSMFM	2.8	2.8			2.8	2.8
	SPORTS MEDIA, BROADCASTING & JOURNALISM	1823MSMBJ	3.4	3.4			3.4	3.4
	PR, SPONSORSHIP & ADVERTISING IN SPORTS	1824MSPSA	3	3			3	3
	SPORTS EVENT MANAGEMENT	1825MSSEM	4	4			4	4
	BASICS OF PRACTICAL SPORTS MANAGEMENT	1826MSBPS		4	4	4	4	

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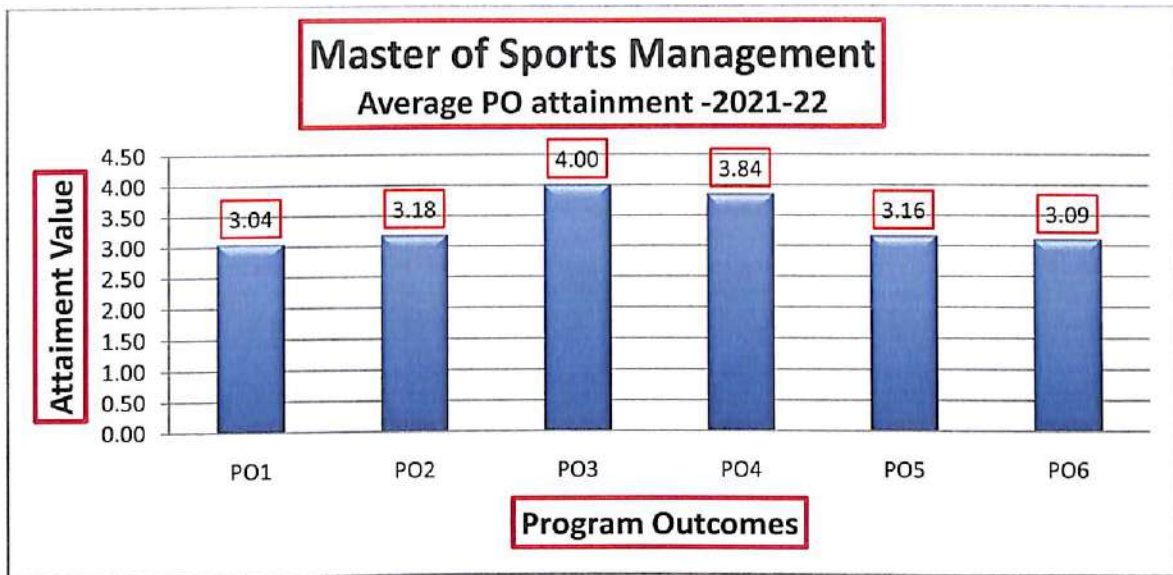


	II							
III	MEDIA MANAGEMENT	1931MSMED	3.4	3.4			3.4	
	ETHICS & GOVERNANCE	1932MSEGV	2.4				2.4	2.4
	SPORTS LAW & RISK MANAGEMENT	1933MSLRM	3.4				3.4	3.4
	GLOBAL SPORTS TOURISM	1934MSGST	3	3			3	3
	SPORTS HEALTH & NUTRITION	1935MSSHN	2.8	2.8			2.8	
	PROFESSIONAL INDUSTRY ENGAGEMENT (PRACTICAL TRAINING)	1936MSPIE		4	4	4	4	
IV	TOURISM MARKETING	1941MSTMK	1.2	1.2			1.2	
	SPORTS PSYCHOLOGY	1942MSPSY	3.4				3.4	3.4
	INTERNATIONAL SPORTS MANAGEMENT	1943MSISM	3.4				3.4	3.4
	ENTREPRENEURSHIP & PROJECT MANAGEMENT	1944MSEPM	3.2	3.2		3.2	3.2	
	SPORTS TRAINING & TACTICS	1945MSSTT	2.8	2.8			2.8	
	FINAL PROJECT REPORT	1946MSFPR	4	4	4	4	4	

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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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