

Nagindas Khandwala College (Autonomous)

#### **OBE DESIGN**

#### ATTAINMENT LEVELS

#### ALL COURSES-2019-20

#### 1. Course- Program outcome Matrix:

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

### 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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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:

(P)

- 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
- 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;

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- iv. Level-4: 70% to 79.99% students score more than class average;
- v. Level 5: 80% to 89.99% students score more than class average.
- d. The target level is set (e.g. Level-2). It indicates that, the current target is level-2; 50% students score more than class average. 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= 75% (Attainment level in end term examination) + 25% (Attainment level in internal examination).

For academic year 20-21 (Semester I only)

- 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 under point No. 7 in the below paragraph.

### 6. Program attainment Level:

(2)

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- 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 under point No. 8 in the below paragraph

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# Bachelor of Commerce (B.Com.)

# Table 1.0: PO & CO Mapping Table- B.Com. Academic Year 2019-20

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
	BUSINESS COMMUNICATION - I	1611UCBC		*			*	
	ENVIRONMENTAL STUDIES – I	1612UCES					*	
	FOUNDATION COURSE – I	1613UCFC	*	*			*	
	INTRODUCTION TO BUSINESS	1614UCCM	*					*
1	ACCOUNTANCY & FINANCIAL MANAGEMENT-I	1615UCAF	*	*	*	*	*	*
	BUSINESS ECONOMICS – I	1616UCBE	*	*			*	
	MATHEMATICAL AND STATISTICAL TECHNIQUES –I	1817UCMS				*		
	BUSINESS COMMUNICATION - II	1621UCBC		*			*	
	ENVIRONMENTAL STUDIES – II	1622UCES					*	1/.
	FOUNDATION COURSE – II	1623UCFC	*	*			*	
	SERVICE SECTOR	1624UCOM	*			-	-	*
n	ACCOUNTANCY & FINANCIAL MANAGEMENT-II	1625UCAF	*	*	*	*	*	
	BUSINESS ECONOMICS – II	1626UCBE	*	*			*	
	MATHEMATICAL AND STATISTICAL TECHNIQUES -II	1627UCMS				*		
	ADVERTISING	1731UCAD	*				*	*
ш	FOUNDATION COURSE - III (CONTEMPORARY			*			*	

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	INDIA: 1947-2000 A.D)						
	COMMERCE - III (MANAGEMENT : PRINCIPLES AND FUNCTIONS)	1733UCCM	*			*	*
	ACCOUNTANCY AND FINANCIAL MANAGEMENT - III	1734UCAF	*		*		
	FINANCIAL ACCOUNTING AND AUDITING V - COST ACCOUNTING	1835UCCA	*		*		*
	BUSINESS ECONOMICS - III	1736UCBE	*				
	BUSINESS LAW	1737UCBL	*			*	*
	ADVERTISING :						
	AGENCY AND MEDIA OPERATIONS	1841UCAD	*			*	*
	FOUNDATION COURSE - IV	1742UCFC		*		*	
	COMMERCE- IV (MANAGEMENT: PRODUCTION AND FINANCE)	1743UCOM	*			*	
IV	ACCOUNTANCY AND FINANCIAL MANAGEMENT- IV	1744UCAF	*		*		
	FINANCIAL ACCOUNTING AND AUDITING - VI - COST ACCOUNTING	1845UCCA	*				*
	BUSINESS ECONOMICS - IV	1746UCBE	*				
	BUSINESS LAW -	1747UCBL	*			*	*
	COMMERCE - V (MARKETING)	1853UCOM	*			*	*
v	BUSINESS ECONOMICS - V (INDIAN FINANCIAL	1854UCBE	*				



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	SYSTEM)							
	DIRECT AND INDIRECT TAXES - PAPER I - DIRECT TAX	1855UCDT	*					*
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VII - FINANCIAL ACCOUNTIG	1851UCFA	*		*			
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VIII - (INTRODUCTION TO MANAGEMENT ACCOUNTING)	1952UCMA	*	*	*		*	*
	PSYCHOLOGY OF HUMAN BEHAVIOUR AT WORK	1856UCPS					<b>○#</b> 6	
	EXPORT MARKETING: FUNDAMENTALS	1856UCEM	*				*	
	COMPUTER SYSTEMS AND APPLICATIONS	1856UCCS		*		*		
	ELEMENTS OF OPERATIONS RESEARCH	1856UCOR		*		*		
	COMMERCE- VI - HUMAN RESOURCE MANAGEMENT	1863UCOM	*				*	
	BUSINESS ECONOMICS- VI	1864UCBE	*					
VI	DIRECT AND INDIRECT TAXES- PAPER II - INDIRECT TAX	1865UCDT	*					*
	FINANCIAL ACCOUNTING AND AUDITING PAPER- IX - FINANCIAL	1861UCFA	*		*			*



ACCOUNTING						
FINANCIAL ACCOUNTING AND AUDITING PAPER- X — AUDITING	1862UCCU	*	*		*	
PSYCHOLOGY OF HUMAN BEHAVIOR AT WORK	1866UCPS				*	
EXPORT MARKETING: PROCESS AND PROCEDURES	1866UCEM	*			*	
COMPUTER SYSTEMS AND APPLICATIONS	1866UCCS		*	*		
ELEMENTS OF OPERATIONS RESEARCH	1866UCOR		*	*		

# 7. The Results of CO Attainment:

The Results of CO attainment are provided below.

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
- 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;
- 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: 28.00

% Students score more than 28 is 364/585 i.e. 62.22% i.e. Levl-3

Average Marks in Internal examination= 17.00

% Students score more than 17 is 368/585= 62.91%, i.e. Level-3

A (CO) 1831UCAD = 75% (3) +25%(3) = 2.25 + 0.75 = 3

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.

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Table No. 1.1: CO Attainment Level -Bachelor of Commerce (B.Com.)-Academic Year 2019-20

Semest er	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	BUSINESS COMMUNICA TION - I	1611UCBC	3	2	Fully Attained	NA
	ENVIRONMEN TAL STUDIES	1612UCES	2.75	2	Fully Attained	NA
	FOUNDATION COURSE – I	1613UCFC	3	2	Fully Attained	NA
	INTRODUCTI ON TO BUSINESS	1614UCCM	3	2	Fully Attained	NA
	ACCOUNTAN CY & FINANCIAL MANAGEMEN	1615UCAF	2	2	Fully Attained	NA
۸	T-I BUSINESS ECONOMICS –		2.25	2	Fully Attained	NA
	MATHEMATI CAL AND STATISTICAL TECHNIQUES	1616UCBE	2	2	Fully Attained	NA
п	BUSINESS COMMUNICA	1621UCBC	2	2	Fully Attained	NA
	TION - II ENVIRONMEN TAL STUDIES	1622UCES	2.25	2	Fully Attained	NA
	FOUNDATION	1623UCFC	2.5	2	Fully Attained	NA
- 2	COURSE – II SERVICE SECTOR	1624UCOM	2.5	2	Fully Attained	NA
	ACCOUNTAN CY & FINANCIAL MANAGEMEN	1625UCAF	2	2	Fully Attained	NA
	T-II BUSINESS ECONOMICS –	1626UCBE	2	2	Fully Attained	NA
	MATHEMATI CAL AND STATISTICAL TECHNIQUES	1627UCMS	2	2	Fully Attained	NA
111	ADVERTISING		3	2	Fully Attained	NA
111	FOUNDATION		2	2	Fully Attained	NA



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	COURSE - III (CONTEMPOR ARY INDIA : 1947-2000 A.D)					NA
	COMMERCE - III (MANAGEME NT : PRINCIPLES AND	1733UCCM	3	2	Fully Attained	Assignments,
+	ACCOUNTAN CY AND FINANCIAL MANAGEMEN	1734UCAF	1.75	2	Not Attained	tutorials, exercises and remedial coaching shall be planned.
	FINANCIAL ACCOUNTING AND AUDITING V - COST	1835UCCA	2.25	2	Fully Attained	NA
	ACCOUNTING BUSINESS ECONOMICS -	1736UCBE	2	2	Fully Attained	NA
	BUSINESS		2	2	Fully Attained	NA
IV	ADVERTISING : AGENCY AND MEDIA	1737UCBL 1841UCAD	2.25	2	Fully Attained	NA
	FOUNDATION	1742UCFC	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall t planned.
	COURSE - IV COMMERCE- IV (MANAGEME NT: PRODUCTION AND	1743UCOM	2.25	2	Fully Attained	NA
	FINANCE) ACCOUNTAN CY AND FINANCIAL MANAGEMEN		2	2	Fully Attained	NA
	T- IV FINANCIAL ACCOUNTING AND AUDITING -VI - COST		2	2	Fully Attained	NA



	ACCOUNTING				Fully Attained	NA
	BUSINESS ECONOMICS - IV	1746UCBE	2 .	2		
	BUSINESS LAW - II	1747UCBL	2.25	2	Fully Attained	NA
V	COMMERCE - V (MARKETING)	1853UCOM	2	2	Fully Attained	NA
	BUSINESS ECONOMICS - V (INDIAN FINANCIAL SYSTEM)	1854UCBE	2.25	2	Fully Attained	NA NA
	DIRECT AND INDIRECT TAXES - PAPER I - DIRECT TAX	1855UCDT	2.25	2	Fully Attained	NA NA
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VII - FINANCIAL ACCOUNTIG	1851UCFA	2.25	2	Fully Attained	
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VIII - (INTRODUCTI ON TO MANAGEMEN T ACCOUNTING		2	2	Fully Attained	NA
	PSYCHOLOGY OF HUMAN BEHAVIOUR		3	2	Fully Attained	NA
	AT WORK EXPORT MARKETING: FUNDAMENT		2	2	Fully Attained	NA
	COMPUTER SYSTEMS AND APPLICATION S		2.25	2	Fully Attained	NA NA
	ELEMENTS OF OPERATIONS		2.25	2	Fully Attained	NA



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	RESEARCH				Fully Attained	NA
VI	COMMERCE- VI - HUMAN RESOURCE MANAGEMEN	1863UCOM	3	2	runy Attained	230
	BUSINESS ECONOMICS-		3	2	Fully Attained	NA
	VI DIRECT AND INDIRECT TAXES- PAPER II - INDIRECT	1864UCBE	3	2	Fully Attained	NA
	FINANCIAL ACCOUNTING AND AUDITING PAPER- IX - FINANCIAL	1861UCFA	2.25	2	Fully Attained	NA
	ACCOUNTING FINANCIAL ACCOUNTING AND AUDITING PAPER- X -	1862UCCU	3.75	2	Fully Attained	NA
	PSYCHOLOGY OF HUMAN BEHAVIOR AT WORK	1866UCPS	3	2	Fully Attained	NA
	EXPORT MARKETING: PROCESS AND PROCEDURES	1866UCEM	2.25	2	Fully Attained	NA
	COMPUTER SYSTEMS AND APPLICATION S		2	2	Fully Attained	NA NA
	ELEMENTS OF OPERATIONS RESEARCH	1866UCOR	3,25	2	Fully Attained	NA
	Average Not applicable as tar	·/	2.380			

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# Table No. 1.2: Results of CO-PO attainment Bachelor of Commerce (B.Com.)-2019-20

Semest	Causes	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
r	Course BUSINESS	Course Cour						
	COMMUNICATION -	1611UCBC		3			3	
	ENVIRONMENTAL STUDIES – I	1612UCES					2.75	
	FOUNDATION COURSE – I	1613UCFC	3	3			3	
1	INTRODUCTION TO BUSINESS	1614UCCM	3					3
	ACCOUNTANCY & FINANCIAL MANAGEMENT-I	1615UCAF	2	2	2	2	2	2
	BUSINESS ECONOMICS – I	1616UCBE	2.25	2.25			2.25	
	MATHEMATICAL AND STATISTICAL TECHNIQUES -I	1817UCMS				2		
	BUSINESS COMMUNICATION - II	1621UCBC		2			2	
	ENVIRONMENTAL STUDIES – II	1622UCES					2.25	
-	FOUNDATION COURSE – II	1623UCFC	2.5	2.5			2.5	350744
	SERVICE SECTOR	1624UCOM	2.5					2.5
п	ACCOUNTANCY & FINANCIAL MANAGEMENT-II	1625UCAF	2	2	2	2	2	
	BUSINESS ECONOMICS – II	1626UCBE	2	2			2	
	MATHEMATICAL AND STATISTICAL TECHNIQUES –II	1627UCMS				2		
	ADVERTISING	1731UCAD	3				3	3
	FOUNDATION COURSE - III (CONTEMPORARY INDIA: 1947-2000 A.D)	1732UCFC		2			2	
m	COMMERCE - III (MANAGEMENT : PRINCIPLES AND FUNCTIONS)	1733UCCM	3				3	3
	ACCOUNTANCY AND FINANCIAL	1734UCAF	1.75		1.75		,0	



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	MANAGEMENT - III		- 1				-	
	FINANCIAL ACCOUNTING AND AUDITING V - COST ACCOUNTING	1835UCCA	2.25		2.25			2.25
	BUSINESS ECONOMICS - III	1736UCBE	2					2
	BUSINESS LAW	1737UCBL	2			+-	2	
	OFERMITOR	1841UCAD	2.25				2.25	2.25
	FOUNDATION COURSE - IV	1742UCFC		1.75			1.75	
2	COMMERCE- IV (MANAGEMENT: PRODUCTION AND FINANCE)	1743UCOM	2,25				2.25	
IV	ACCOUNTANCY AND FINANCIAL MANAGEMENT- IV	1744UCAF	2		2	-		
	FINANCIAL ACCOUNTING AND AUDITING -VI - COST ACCOUNTING	1845UCCA	2					2
	BUSINESS ECONOMICS - IV	1746UCBE	2					2.25
	BUSINESS LAW - II	1747UCBL	2.25				2.25	2.25
	COMMERCE - V (MARKETING)	1853UCOM	2				2	2
	BUSINESS ECONOMICS - V (INDIAN FINANCIAL SYSTEM)	1854UCBE	2.25					
	DIRECT AND INDIRECT TAXES - PAPER I - DIRECT TAX	1855UCDT	2.25					2.25
v	ACCOUNTING AND AUDITING PAPER - VII - FINANCIAL ACCOUNTIG	1851UCFA	2,25		2	.25		
	FINANCIAL ACCOUNTING AND AUDITING PAPER - VIII - (INTRODUCTION TO MANAGEMENT		2	2		2	2	2

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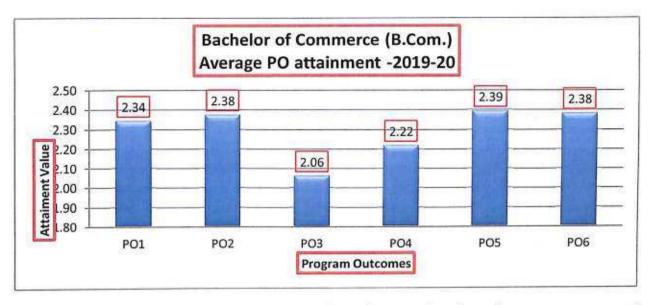
	ACCOUNTING)							
	PSYCHOLOGY OF HUMAN BEHAVIOUR AT WORK	1856UCPS					3	
-	EXPORT MARKETING: FUNDAMENTALS	1856UCEM	1				1	
	COMPUTER SYSTEMS AND APPLICATIONS	1856UCCS		2.25		2.25		
	ELEMENTS OF OPERATIONS RESEARCH	1856UCOR		2.25		2.25		
	COMMERCE- VI - HUMAN RESOURCE MANAGEMENT	1863UCOM	3				3	
	BUSINESS ECONOMICS- VI	1864UCBE	3					
2	DIRECT AND INDIRECT TAXES- PAPER II -INDIRECT TAX	1865UCDT	3					3
	FINANCIAL ACCOUNTING AND AUDITING PAPER- IX -FINANCIAL ACCOUNTING	1861UCFA	2,25		2.25		1	2.25
VI	FINANCIAL ACCOUNTING AND AUDITING PAPER- X -AUDITING	1862UCCU	3.75	3.75			3.75	
	PSYCHOLOGY OF HUMAN BEHAVIOR AT WORK	1866UCPS					3	
	EXPORT MARKETING: PROCESS AND PROCEDURES	1866UCEM	2.25				2.25	
	COMPUTER SYSTEMS AND APPLICATIONS	1866UCCS		2		2		
	ELEMENTS OF OPERATIONS RESEARCH	1866UCOR		3.25		3.25		
		Average	2.34	2.38	2.06	2.22	2.39	2.3



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

### 8. The Results of PO Attainment:

The Results of PO attainment are provided in table no. 1.3, table no. 1.4 and table no. 1.5

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

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### 1. For Academic Year 2018-19

(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%(2.530) + 20% (4) = 2.024 + 0.8 = 2.832- Level 5- Excellent

### Target Level was 4. Hence PO attended.

#### 2. For Academic Year 2019-20

(Note: Refer first row table No. 1.4 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).

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#### Target Level was 4

Hence PO attended.

Table No. 1.2a: PO Attainment Level- UG Programs

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	5	4	Fully Attained	NA
A2019-20	5	4	Fully Attained	NA

#### 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 level is greater than target level-4. Hence at present no plan is required.

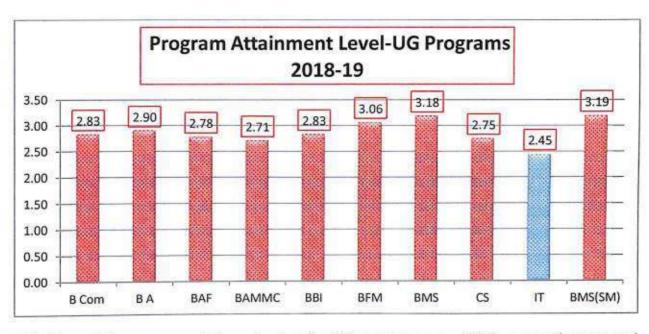
Following table no. 1.3 and table no. 1.4 provides semester wise CO attainment and PO attainment levels of 10 undergraduate programs for three academic years.

Table No.1.3
Attainment level\_-\_Undergraduate programs academic year 2018-19

	Attain	ment le	velU	ndergra	iduate p	rogram	s	Program
Academic	First	Year	Secon	d Year	Third	Year	Average	Attainment
Year- 2018-19	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6	Direct	Direct+ Indirect
B Com	3.04	2.21	2.71	2.25	2.92	2.11	2.54	2.83
ВА	3	2.36	2.63	2.78	2.69	2.26	2.62	2.90
BAF	2.54	2.71	2.39	2.61	2.25	2.33	2.47	2.78
BAMMC	2.42	2.04	2.63	1.92	2.69	2.63	2.39	2.71
BBI	2.96	2.54	2.79	2.64	1.96	2.33	2.54	2.83
BFM	3.07	2.39	2.39	2.79	3.46	2.88	2.83	3.06
BMS	2.43	2.54	3.36	2.86	3.58	3.1	2.98	3.18
CS	2.31	2.52	2.13	2.17	2.61	2.91	2.44	2.75
IT	2.28	2.05	2.05	2.08	1.78	2.13	2.06	2.45
BMS(SM)	2.97	3	NA	NA	NA	NA	2.99	3.19

Now we provide graphical representation of PO attainment levels of UG Program for academic year 2018-19.

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It is observed that program attainment value for all but one program (IT) is greater than or equal to 2.5. This indicates in this academic year, overall attainment of all but one UG programs (IT) is 5 i. e. Excellent. For IT program attainment value is 2.43 (between 2 and 2.5). i.e. Very Good.

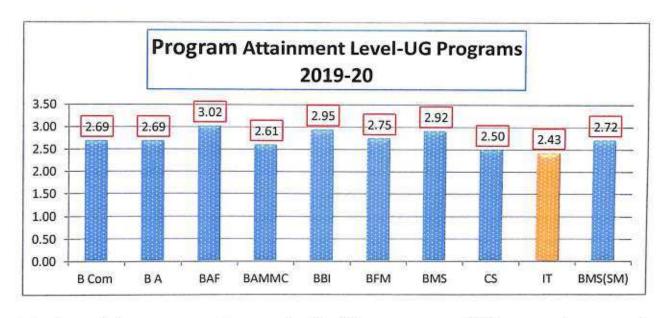
Table No.1.4
Attainment level\_-\_Undergraduate programs academic year 2019-20

	Attain	ment lev	elUn	dergrad	uate cou	ırses		
Academic	First	Year	Secon	d Year	Thire	l Year	Average	Course Attainment
Year- 2019-20	SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	SEM 6		Direct + indirect
B Com	2.57	2.18	2.29	2.07	2.25	2.83	2.37	2.69
ВА	2.29	2.32	2.38	2.06	2.38	2.75	2.36	2.69
BAF	2.71	2.89	2.32	2.79	2.71	3.25	2.78	3.02
BAMMC	2.75	2.17	2.13	1.04	2.83	2.63	2.26	2.61
BBI	2.89	2.82	2.04	2.89	2.67	2.79	2.68	2.95
BFM	2.39	2.21	2.27	2.64	2.46	2.63	2.43	2.75
BMS	2.46	2.82	2.53	2.64	2.48	2.95	2.65	2.92
CS	2.23	2.55	1.94	1.92	1.75	2.39	2.13	2.50
IT	2.25	1.95	2	1.98	1.85	2.23	2.04	2.43
BMS(SM)	2.45	2.13	2.93	2.07	NA	NA	2,40	2.72

Now we provide graphical representation of PO attainment levels of UG Program for academic year 2019-20.

See

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It is observed that program attainment value for all but one program (IT) is greater than or equal to 2.5. This indicates in this academic year, overall attainment of all but one UG programs (IT) is 5 i. e. Excellent. For IT program attainment value is 2.43 (between 2 and 2.5). i.e. Very Good.

In the following table no. 1.5 and table no. 1.6 provides semester wise CO attainment and PO attainment levels of 5 post graduate programs for three academic years.

Table No.1.5

Attainment level\_-\_ Postgraduate programs academic year 2018-19

	Attainmen	t levelPo	stgraduat	e courses		
Academic Year-	Firs	t Year	Secon	d Year	Averag e	Program Attainment
2018-19	SEM 1	SEM 2	SEM 3	SEM 4		Direct + indirect
MA(ECO)	2.3	3.2	2.55	3.45	2.88	3.1
MA(GEO)	3.37	4.13	2.44	1.87	2.95	3.162
MCOM(ACC)	3	2.85	2.91	3.67	3.11	3,286
MCOM(MGT)	3.35	3.6	2.91	3.16	3.26	3.404
MSC(IT)	1.85	3	2.8	2.8	2.61	2.89

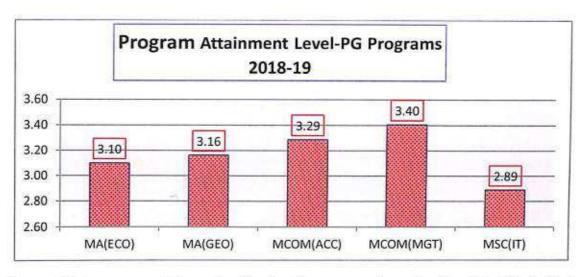
Now we provide graphical representation of PO attainment levels of PG Program for academic year 2018-19.

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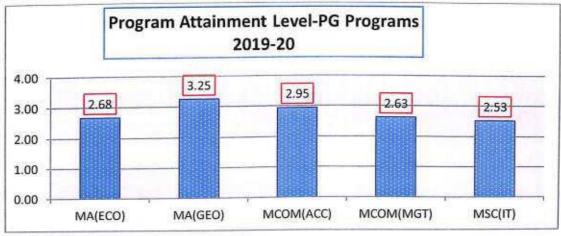
It is observed that program attainment value for all programs is greater than 2.5. This indicates in this academic year, overall attainment of all PG programs is 5 i. e. Excellent.

Table No.1.6
Attainment level\_-\_ Postgraduate programs academic year 2019-20

	Attainm	ent level_	Postgra	duate cou	rses	
Academic Year-	First	Year	Second	d Year	Average	Program Attainment
2019-20	SEM 1	SEM 2	SEM 3	SEM 4	Direct	Direct + indirect
MA(ECO)	2.35	2.5	2.2	2.5	2.35	2.68
MA(GEO)	4.2	4.43	2.6	2.4	3.07	3.25
MCOM(ACC)	2.4	2.85	2.5	3.15	2.68	2.95
MCOM(MGT)	2.65	2.6	2.25	1.95	2.28	2.63
MSC(IT)	1.58	2.08	2.63	2.26	2.16	2.53

Now we provide graphical representation of PO attainment levels of PG Program for academic year 2018-19.

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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 - 2019-20

			Pr	ogra	am (	utc	ome		gram Sp Outcom sycholo	es	Pr	Outo	omes omics		Pi	ogran Outc (Geog	omes	
ie ne ter	Course	Cour se Code	P O 1	P O 2	P O 3	P O 4	P	PSO 1	PSO 2	PSO 3	PS O1	PS O2	PS O3	PS O4	PS O1	PS O2	PS O3	PS O4
	COMMUNIC ATION SKILLS-I	1611 UAC S		*	*		*											
	FOUNDATIO N COURSE - I	1612 UAF C															_	-
	FUNDAMEN TALS OF PSYCHOLOG Y	1614 UAPS	*					•										
1	GEOMORPH OLOGY	1613 UAG E				1								1				-
	MICROECON OMICS- I	1615 UAE C2									*	*		*		_	-	1
	FRENCH	1716 UAF		*										1	-	-	+	-
	HINDI	1616 UAH N		,								-		-	1	+	-	+
	COMMUNIC ATION SKILLS - II	1621 UAC S																
	FOUNDATIO N COURSE - II	1622 UAF C										1	1		-			
	HUMAN GEOGRAPH Y	1723 UAG E													,	.   .		
11	FUNDAMEN TALS OF PSYCHOLOG Y	1624 UAP	S															
	MACROECO NOMICS- I	UAI C	3									*	*		*			-
	HINDI	1626 UAH N	8															



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100	FRENCH	1726 UAF	2								+	+	_	_	+	+		-		-	-
				1						-	-	-	-	_	+		-				
	FOUNDATIO N COURSE - III	1731 UAF C																		-	
	ADVERTISIN G	1738 UAA D			*											1				-	
	ECO-II MICROECON OMICS	1732 UAE C											•								
	ECO-III INDIAN ECONOMY	1733 UAE C	*											*		•				-	
11	AN INTRO TO CLIMATOLO GY	1734 UAG E	*																		
	PHYSICAL GEOG OF INDIA	1735 UAG E															*			1	
	SOCIAL PSYCHOLOG Y				*		= <b>*</b> €	*:			•								-	+	
	DEVELOPME NTAL PSYCHOLOG Y		*		*		*	*		= 3 =	*.								-	-	_
	FOUNDATIO N COURSE - IV																				
	ADVERTISIN G	UAA D	S		•								L	-						-	_
	ECO II MACROECO NOMICS	1742 UAE C												1				-	+		
	ECO III MAHARAST RA ECO	173U AEC												1		*		_	-		
IV	INTRO TO OCEANOGE APHY	E	ì																-	*	
	AGRI GEO	1745 UAC E	ì	*														+			
	SOCIAL PSYCHOLO Y	UAP									094	_	-						-		
	DEVELOPM NTAL PSYCHOLO	174	7			*	3		EU .		*										



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	Y									1				-	-	-		
				_	_	+	-	7		+	+	-	-	-				
	ADV ECO	1951 UAA ET									*		*			-	_	_
	ECO OF DEVELOPME NT V	1852 UAE D	*			e l					•		٠		_		-	
v	INDIAN FIN SYSTEM VI	1953 UAIF S									*	•	*	*		_	_	
Ec o)	RM VII	1854 UAR M	*								*		*				-	
	PUBLIC ECO VIII	1955 UAP E	*								٠	*	*					
	HISTORY OF ECO THOUGHT IX	1856 UAH ET									*	*	•	*				
	ADV ECO THEORY IV	1961 UAA ET	•								•		*					
	ECO OF DEVELOPME NT V	1962 UAE D				*					٠	٠	٠.					
VI	INDIAN FIN SYSTEM VI	1963 UAIF S										٠				_		
(Ec	RESEARCH METHODOL OGY VII	1964 UAR M	*		*						*							
	INTERNATIO NAL ECO VIII	1965 UAIE	*						-					*				
	INDIAN ECO THOUGHT IX	1966 UAIE T																
	GEOG OF SETTLEMEN T IV	1851 UAG S																
	POPULATIO N GEOG V	1852 UAP G														*		-
	TOOLS & TECHNIQUI S VI	1853			*												*	-
	REGIONAL PLANNG & DEVT VII		1													*	*	-
	DISASTER	185	1 100							y _					1.00			



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	VIII	UAD M														
	GEOSPATIA L TECHNOLOG Y IX	1856 UAG T		*											*	
	ENVIRONME NTAL GEOG IV	1861 UAE G	•										*			
İ	GEOG OF TOURISM V	1862 UAT R	*													
VI	TOOLS & TECHNIQUE S VI	1863 UAS A													*	
(Ge og)	ECO GEOG VII	1864 UAE G	*										•	*		
	SOCIAL GEOG VIII	1865 UAS G	*										*	*		
	RESEARCH METHODOL OGY IN GEOG IX	1866 UAPJ		100	*	28.0									•	
	PSYCHOLOG ICAL TESTING AND STATISTICS IV	1851 UAT S	*		*	*		•								
	ABNORMAL PSYCHOLOG Y V	1852 UAA B			*					*						
v	INDUSTRIAL PSYCHOLOG Y VI	1853 UAIP			*	*				*						
(Ps y)	COGNITIVE	1854 UAC O			*		*	*	*	*						
	PRACTICALS IN COGNITIVE PROCESSES VIII	1855 UAP T	*		*	•										
	COUNSELIN G PSYCHOLOG Y IX	1856 UAC P														
V	PSYCHOLOG	1861				*		*	*							



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Ps y)	ICAL TESTING AND STATISTICS IV	UAT S											
	ABNORMAL PSYCHOLOG Y V	1862 UAA S		*	*		*						
	INDUSTRIAL PSYCHOLOG Y VI	1863 UAIP			*	*		*					
	COGNITIVE PSYCHOLOG Y VII	1864 UAC O		*	*				700				
	PRACTICALS IN COGNITIVE PROCESSES VIII	1865 UAP T	*			*	•						
	COUNSELIN G PSYCHOLOG Y IX	1866 UAC P	*		*	*							

# Table No. A.2: CO Attainment Level -Bachelor of Arts (B.A.)-Academic Year 2019-20

Semest	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
er	COMMUNICATION	288	2.5	2	Fully Attained	NA
I	SKILLS-I	1611UACS		2	Fully Attained	NA
53	FOUNDATION COURSE - I	1612UAFC	2.25	2	Pully Attained	Assignment
	FUNDAMENTALS OF PSYCHOLOGY	1614UAPS	1.5	2	Fully Attained	s, tutorials, exercises and remedial coaching shall be planned.
		1613UAGE	2.25	2	Fully Attained	NA
	GEOMORPHOLOGY MICROECONOMICS-		2	2	Fully Attained	NA
	I	1615UAEC2	3.25	2	Fully Attained	NA
	FRENCH	1716UAF	2.25	2	Fully Attained	NA
	HINDI	1616UAHN	2.23			NA
п	COMMUNICATION SKILLS - II	1621UACS	3.25	2	Fully Attained	NA
	FOUNDATION COURSE - II	1622UAFC	2.25	2	Fully Attained	NA
	HUMAN GEOGRAPHY	1723UAGE	2.25	2	Fully Attained	INA



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	FUNDAMENTALS OF	1624114 DS	2	2	Fully Attained	NA
	MACROECONOMICS	1624UAPS 1625UAEC	1	2	Not Attained	Assignment s, tutorials, exercises and remedial coaching shall be planned.
		1/0/11/11/11	2.25	2	Fully Attained	NA
	HINDI	1626UAHN 1726UAF	3.25	2	Fully Attained	NA
	FRENCH	1720UAF			Fully Attained	NA
III	FOUNDATION	1731UAFC	2.25	2	Fully Attained	
	COURSE - III	1731UAPC	3.75	2	Fully Attained	NA
2	ADVERTISING  ECO-II MICROECONOMICS	1732UAEC	1.5	2	Not Attained	Assignment s, tutorials, exercises and remedial coaching shall be planned.
	ECO-III INDIAN	1733UAEC	2.25	2	Fully Attained	NA
	ECONOMY AN INTRO TO	1734UAGE	2.25	2	Fully Attained	NA
	CLIMATOLOGY PHYSICAL GEOG OF	1735UAGE	2	2	Fully Attained	NA
	INDIA SOCIAL PSYCHOLOGY	1736UAPS	3	2	Fully Attained	NA
	DEVELOPMENTAL PSYCHOLOGY	1737UAPS	2	2	Fully Attained	NA
IV	FOUNDATION	1741UAFC	2	2	Fully Attained	NA
	COURSE -IV	1748UAAD	2.25	2	Fully Attained	NA
	ADVERTISING ECO II MACROECONOMICS		2	2	Fully Attained	NA
	ECO III MAHARASTRA ECO	173UAEC	2	2	Fully Attained	NA
	INTRO TO	1744UAGE	2.25	2	Fully Attained	NA
	OCEANOGRAPHY	1745UAGE	2	2	Fully Attained	NA
	AGRI GEO SOCIAL PSYCHOLOGY	1746UAPS	2	2	Not Attained	NA
	DEVELOPMENTAL	1747UAPS	2	2	Fully Attained	
V	PSYCHOLOGY ADV ECO THEORY	1951UAAET	1.25	2	Not Attained	Assignme s, tutorial
(Eco)	ECO OF	1852UAED	1.5	2	Not Attained	exercises
	DEVELOPMENT V INDIAN FIN SYSTEM		1.5	2	Not Attained	remedial
	RM VII	1854UARM	1.5	2	Not Attained	shall be planned



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- 1	NUMBER OF THE PROPERTY OF THE	1955UAPE	2.25	2	Fully Attained	Angignment
	HISTORY OF ECO	20	1.25	2	Not Attained	Assignment s, tutorials, exercises and remedial coaching shall be planned.
VI	ADV ECO THEORY	1856UAHET	2.5	2	Fully Attained	NA
Eco)	IV ECO OF	1961UAAET	2.25	2	Fully Attained	NA
	DEVELOPMENT V INDIAN FIN SYSTEM	1962UAED	2.5	2	Fully Attained	NA
	VI RESEARCH	1963UAIFS	2.25	2	Fully Attained	NA
	METHODOLOGY VII	1964UARM	200	2	Fully Attained	NA
-	INTERNATIONAL ECO VIII	1965UAIE	2.25		Fully Attained	NA
	INDIAN ECO THOUGHT IX	1966UAIET	2.75	2	1 7,5000 \$ 72,5000 \$ 70,000	NA
V (Geo)	GEOG OF SETTLEMENT IV	1851UAGS	3	2	Fully Attained	NA NA
(GW)	POPULATION GEOG	1852UAPG	2.25	2	Fully Attained	NA
	TOOLS & TECHNIQUES VI	1853UASA	2.25	2	Fully Attained	NA NA
	REGIONAL PLANNG	1854UAPD	3.25	2	Fully Attained	
	& DEVT VII DISASTER	1855UADM	2.75	2	Fully Attained	NA
	MITIGATION VIII GEOSPATIAL		3	2	Fully Attained	NA
VI	TECHNOLOGY IX ENVIRONMENTAL	1856UAGT	2.25	2	Fully Attained	NA
(Geo)	GEOG IV GEOG OF TOURISM	1861UAEG	3.25	2	Fully Attained	NA
	V	1862UATR	3.25	2	Fully Attained	NA
	TECHNIQUES VI	1863UASA 1864UAEG	3.25	2	Fully Attained	NA NA
	ECO GEOG VIII	1865UASG	2.75	2	Fully Attained	NA NA
	SOCIAL GEOG VIII RESEARCH METHODOLOGY IN	F = - F = - F =	3.25	2	Fully Attained	33375
V	GEOG IX PSYCHOLOGICAL TESTING AND		2.25	2	Fully Attained	1
(Psy)	ABNORMAL	1851UATS	3.75	2	Fully Attained	
	PSYCHOLOGY V INDUSTRIAL	1852UAAB	1.5	2	Not Attained	S, tutorium
	PSYCHOLOGY VI COGNITIVE	1853UAIP	1.75	2	Not Attained	Late of
	PSYCHOLOGY VII PRACTICALS IN COGNITIVE	1854UACO 1855UAPT	1.5	2	Not Attained	remedial coaching



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PROCESSES VIII					shall be planned.
Vervasevicas ====		2.25	2	Fully Attained	NA
PSYCHOLOGY IX	1856UACP	55W2-1			NA
PSYCHOLOGICAL TESTING AND	, OCHILATE	3	2	Fully Attained	
	1861UA15	NOTHING TO SERVE STATE OF THE SE	2000	Euthy Attained	NA
	204211445	2,75	2	runy Attamed	
	1802UAA3		- 0	Eully Attained	NA
INDUSTRIAL	1863UAIP	3	2	1 847030	NA
		2.75	2	Fully Attained	****
PSYCHOLOGY VII	1864UACO	2.75	- 52		NA
PRACTICALS IN	To White and William County	2.5	2	Fully Attained	205700
PROCESSES VIII	1865UAPT		707	1220200 P220200000	NA
COUNSELING	1866UACP	3	2	Fully Attained	
PST CHOLOGT IX	Average	2.36			
	TESTING AND STATISTICS IV  ABNORMAL PSYCHOLOGY V  INDUSTRIAL PSYCHOLOGY VI  COGNITIVE PSYCHOLOGY VII  PRACTICALS IN COGNITIVE PROCESSES VIII	COUNSELING PSYCHOLOGY IX PSYCHOLOGICAL TESTING AND STATISTICS IV ABNORMAL PSYCHOLOGY V INDUSTRIAL PSYCHOLOGY VI COGNITIVE PSYCHOLOGY VII PRACTICALS IN COGNITIVE PROCESSES VIII COUNSELING	COUNSELING	COUNSELING	COUNSELING

## Table No.A.2a: PO Attainment Level- BA Academic Year 2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
	-	4	Fully Attained	NA
A2018-19	5	4	Fully Attained	NA
10010 20	4 ble as target level is	4	1 dily 1 teamer	

# 9. Planned Actions for Course Attainment:

(E3

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. A.3: Results of CO-PO attainment-Bachelor of Arts (BA)-Academic Year 2019-20

	,		Pr	ogra	m C	outco	ome	(	Progra Specif Outcon sychol	ic 1es	Si estetti.	gram Outc Econ	omes	2. 29		gram Outc Geog	omes	
Sem este	Course	Co urs e Co de	P O 1	P O 2	P O 3	P O 4	P 05	P S O 1	PS O2	PS O 3	PS O 1	PS O 2	PS O 3	PS O 4	PS O 1	PS O 2	PS O 3	PS O 4
•	COMMUNIC ATION SKILLS-I	161 1U AC S		2	2 . 5		2.5											



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1	ON COURSE - I	161 2U AF C					2.2													
	FUNDAME NTALS OF PSYCHOLO GY	161 4U AP S	1		1 . 5	1 . 5	1.5	1.												
	GEOMORPH OLOGY	161 3U AG E	2 2 5			2 2 5										2:	5		2. 25	
1	MICROECO NOMICS- I	161 5U AE C2	2								2	2		2	2					
	FRENCH	171 6U AF		3 2 5																
	HINDI	161 6U AH N		2 2 5																
	COMMUNIC ATION SKILLS - II	162 1U AC S		3 . 2 5	1		3.2													
	FOUNDATI ON COURSE - II	162 2U AF					2.5													
	HUMAN GEOGRAPH Y	172	1														2. 25	2. 25		1
п	FUNDAME NTALS OF PSYCHOLO GY	162 4U AP S		2		2		2	2_											
	MACROEC ONOMICS-	I Al	J E	1								1	1	1		1				
	HINDI	16 6U Al N	H		2 2 5															
	FRENCH	17 60 A	J		3 2 5															



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	FOUNDATI ON COURSE -	173 1U AF C						.2												-
-	ADVERTISI NG	173 8U AA D			3 . 2 5															
	ECO-II MICROECO NOMICS	173 2U AE C	1	5								1. 5	1. 5				-			
	ECO-III INDIAN ECONOMY	173 3U AE C		2 2 5 _										2. 25	2. 25					
п	AN INTRO TO CLIMATOL OGY	173 4U AC E	3	2													2. 25	2. 25		
	PHYSICAL GEOG OF INDIA	17. 5U AC E	J G	2									_				2			
	SOCIAL PSYCHOLO GY	17 6U Al S	J P	3		3	3	3	3		3				-				-	_
	DEVELOPM ENTAL PSYCHOLO GY	71	P	2		2	2	2	2	-	2									
	FOUNDATI ON COURSE -I	. 1	74 IU AF C					2												
	ADVERTIS NG	I	174 8U AA D			2 2 5								1						
r	ECO II  MACROEC  ONOMICS		174 2U AE C	1								2536	2	2						
	ECO III MAHARA RA ECO	ST	173 UA EC	2											2	2				
	OCEANO APHY		174 4U AG	١.													2. 25		2. 25	200



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		E	5											-			
	AGRI GEO	174 5U AG E	2												2	2	
	SOCIAL PSYCHOLO GY	174 6U AP S	2		2		2		2	2							
	DEVELOPM ENTAL PSYCHOLO GY	174 7U AP S	2		2		. 2	2	2	2							
	ADV ECO THEORY IV	195 1U AA ET	1 . 2 5								1. 25	1. 25	1. 25	1. 25			
	ECO OF DEVELOPM ENT V	185 2U AE D	1 . 5				1	.5			1.	1.	1. 5	1.			
v	INDIAN FIN SYSTEM VI	195 3U AI FS	1		1 . 5						1. 5	1. 5	1.	1. 5			
(Eco )	RM VII	185 4U AR M	5			1					1. 5	1. 5	1. 5	1. 5			
	PUBLIC ECO VIII	195 5U AP E	2	2							2. 25	2. 25	2. 25	2. 25			
	HISTORY OF ECO THOUGHT IX	185 6U AH ET		1							1. 25	1. 25	1. 25	1. 25			
	ADV ECO THEORY IV	196 1U AA ET		2							2.	2.	2. 5	2. 5			
VI (Ec	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	196 2U AE D	5	2 2 5				2.2 5			2. 25	2. 25			- 1		
)	INDIAN FIN SYSTEM VI	AI FS	J	2 . 5	2	5					2. 5	2. 5	5	5			
	RESEARCH	19 4U		2			2				2.	2.	2.	2	27		



	METHODOL OGY VII	AR M	2 5		5				- 2	25	25	25	25		+		+	$\dashv$
	INTERNATI ONAL ECO VIII	196 5U AI E	2 . 2 5							2. 25	2. 25	2. 25	2. 25					
	INDIAN ECO THOUGHT IX	196 6U AI ET	2 . 7 5							2. 75	2. 75	2. 75	2. 75					
	GEOG OF SETTLEME NT IV	185 1U AG S	7											3				
	POPULATIO N GEOG V	185 2U AP G		2 2 5										2 2		2. 25		
v	TOOLS & TECHNIQU ES VI	185 3U AS A		2 2 5	2 2 5	2 2 5								11			2. 25	
(Ge 0)	REGIONAL PLANNG & DEVT VII	185 4U AF D		3 . 2 5											3.	3. 25	3. 25	in the second
	DISASTER MITIGATIO N VIII	18. 51. AI. N	J	2 2 7											2. 75			2. 75
	GEOSPATIA L TECHNOLO GY IX	61	J G	3	3	3											3	
	ENVIRONN ENTAL GEOG IV	1 A	86 U Æ G	2 2 5			.2								2. 25			2 2
v		1 2 V /	86 LU AT R	3 . 2 5										-	3. 25	3.		
(C		U E	86 BU AS A	2 5	3	3										-	3 2	5
	ECO GEO VII	G	186 4U AE G												3.	3 2	. 5	



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411.2	SOCIAL GEOG VIII	5U AS	2 7 5												2. 75		2.		
	RESEARCH METHODOL OGY IN GEOG IX	186 6U AP J	3 . 2 5		3 2 5	3 2 5												3. 25	
	PSYCHOLO GICAL TESTING AND STATISTICS IV	185 1U AT S	2 . 2 5		2 2 5	2 . 2 5			2.	2.2									
	ABNORMA L PSYCHOLO GY V	185 2U AA B	3 · 2 5		3 . 2 5	3 . 2 5	3,2 5		3. 25	3.2 5	3.25								
V	INDUSTRIA L PSYCHOLO	185 3U AI P	1 . 5		1 . 5	1 . 5	1.	5	1.	1.5	1.5								
(Psy	COGNITIVE PSYCHOLO GY VII	185 4U AC O	1 5		1 7 5		5		1. 75	1.7 5	1.75	5							
	PRACTICAL S IN COGNITIVE PROCESSES VIII	185 5U	1		1		5		1. 5	1.5									
	COUNSELI NG PSYCHOLO GY IX	185 6U			2	2		2.2 5	2. 25	2.2	2.2	5							
V	AND STATISTIC	18: 1U		3			3		3	3									
(Ps	9	18 2U	A	2 7 5		2 7 5	2 7 5	2.7 5	75	5	2.	75							
	INDUSTRI			3		3	3	3	3	3		3	_	= 0 <sub>n</sub> :	-	_			

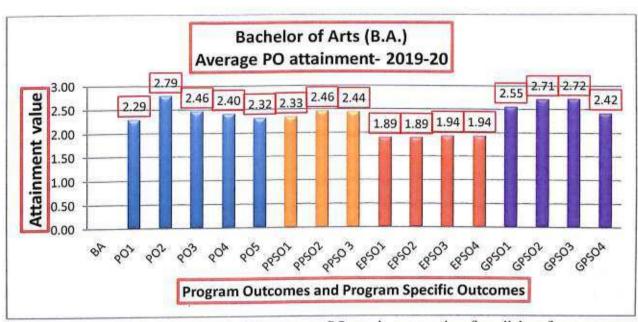


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L PSYCHOLO GY VI	3U Al P																
COGNITIVE PSYCHOLO GY VII	186 4U AC O	2 7 5		2 7 5	2 7 5	2.7 5	2. 75	2.7	2.75								
PRACTICAL S IN COGNITIVE PROCESSES VIII	186 5U AP T	2 . 5		2 . 5	2		2. 5	2.5									
COUNSELI NG PSYCHOLO GY IX	186 6U AC P	3		3	3	3	3	3	3								
	Av era ge	2 2 9	2 7 9	2 4 6	2 4 0	2.3	2. 33	2.4 6	2.44	1. 89	1. 89	1. 94	1. 94	2. 55	2. 71	2. 72	2. 42



From above graph, it is observed that average PO attainment value for all but four program 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. In fact in some cases it is at excellent level (value greater than 2.5).



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# ANNEXTURE 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 - 2019-20

Semest er	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
Ci	BUSINESS COMMUNICATION - I	1611UAFBC	*	*		*		*
5	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - I	1916UAFIT	*	*	*	*		*
	FOUNDATION COURSE - I	1912UAFFC	*	*		*	*	
1	BUSINESS ECONOMICS - I	1614UAFBE	*	*		*	*	
# <del>*</del>	COMMERCE (BUSINESS ENVIRONMENT) - I	1613UAFCO	*	*		*	*	*
-	BUSINESS MATHEMATICS	1717UAFB M	*		*	*		*
	FINANCIAL ACCOUNTING - I (ELEMENTS OF FINANCIAL ACCOUNTING)	1615UAFFA			*	*		*
	BUSINESS COMMUNICATION - II	1621UAFBC	*	*		*		*
n	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - II	1922UAFIT	*	*	*	×		*
	FOUNDATION COURSE - II	1622UAFFC	_	*		*	*	÷
	AUDITING - I	1626UAFA	*	*	*	*		



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	(INTRODUCTION AND PLANNING)	D						
	BUSINESS LAW - I	1623UAFBL	*	*	*	*	*	
	FINANCIAL MANAGEMENT - I	1724UAFF M	*	*	*	*		*
	FINANCIAL ACCOUNTING - II (SPECIAL ACCOUNTING AREAS)	1625UAFFA	*		*	*		*
	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - I	1736UAFIT	*	*	*	*		÷
S	FOUNDATION COURSE IN MANAGEMENT - III (INTRODUCTION TO MANAGEMENT)	1737UAFFC	*	*		*	*	*
	BUSINESS ECONOMICS - II	1735UAFEO	*	*		*	*	*
ш	AUDITING - II (TECHNIQUES OF AUDITING AND AUDIT PROCEDURES)	1733UAFA D	*	*	*	*	*	*
	BUSINESS LAW - II (BUSINESS REGULATORY FRAMEWORK)		*	*	*	*	*	
	COST ACCOUNTING - I (INTRODUCTION AND ELEMENTS OF COST)	1732UAFCA	*		*	*		*
-	FINANCIAL ACCOUNTING - III (SPECIAL ACCOUNTING	1931UAFFA	*		*	*		*



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	AREAS)							
	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - II	1746UAFIT	*	*	*	*		*
	FOUNDATION COURSE IN COMMERCE - IV (INDIAN FINANCIAL SYSTEM)	1942UAFFC	*	*	÷	*		*
122	MANAGEMENT ACCOUNTING (INTRODUCTION TO MANAGEMENT ACCOUNTING)	1742UAFM A	*		*	*	*	*
IV	TAXATION - II (INDIRECT TAXES -	1743UAFTX	*	*	*	×	*	*
	BUSINESS LAW - III (THE COMPANIES ACT 2013)	1744UAFBL	*	×	*	*	*	
×	RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE		*	*		*	*	*
	FINANCIAL ACCOUNTING - IV (SPECIAL ACCOUNTING AREAS)	1741UAFFA	*		*	*		*
	FINANCIAL ACCOUNTING - V	1855UAFFA 5	*		*	*		*
	FINANCIAL ACCOUNTING - VI	1856UAFFA 6	*		*	*		*
v	FINANCIAL MANAGEMENT - II		*	*	*	*	*	*
	COST ACCOUNTING - III	1851UAFCA	*		*	*	*	*
	TAXATION - III	1855UAFTX	sk	*	*	×	1182	



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	(DIRECT TAXES - I)							
	MANAGEMENT - II (MARKETING OF SERVICES) FINANCIAL ACCOUNTING - VII INTERNSHIP BASED PROJECT WORK ECONOMICS - III (INDIAN ECONOMY) COST ACCOUNTING - IV TAXATION- IV (DIRECT TAXES - II) INTERNATIONAL	1854UAFM A	*	*		*	*	*
	FINANCIAL ACCOUNTING - VII	1865UAFFA	*		*	*		×
100	BASED PROJECT	1962UAFIP	*	*	*	*	*	*
	(INDIAN	1864UAFEC	*	×		*	*	*
	COST ACCOUNTING - IV	1861UAFCA	*		*	*		*
	(DIRECT TAXES -	1965UAFDT	*	*	*	*	*	*
	INTERNATIONAL FINANCE	1966UAFIF	*	*	*	*		*

Table No. B.2: CO Attainment Level - B.Com. (Accounting and Finance) (BAF)-Academic Year 2019-20

Seme	Course	Course Code	CO Attainment value	Attainme nt Target Level	Fully Attained/ Not Attained	Remedial Measures
I	BUSINESS COMMUNICATI	1611UAFB C	3.25	2	Fully Attained	NA
	ON - I INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE -		3.25	2	Fully Attained	NA
	FOUNDATION COURSE - I	1912UAFF C	3	2	Fully Attained	NA
	BUSINESS ECONOMICS - I	1614UAFB E	2.5	2	Fully Attained	NA
	COMMERCE (BUSINESS ENVIRONMENT	1613UAFC O	2.5	2	Fully Attained	NA
	) - I BUSINESS	1717UAFB	2.25	2	Fully Attained	NA



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	MATHEMATICS	M				NA
	FINANCIAL ACCOUNTING - I (ELEMENTS OF FINANCIAL	1615UAFF A	2.25	2	Fully Attained	NA
	BUSINESS COMMUNICATI ON - II	1621UAFB C	3.25	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE -	1922UAFIT	3.25	2	Fully Attained	NA
	II FOUNDATION	1622UAFF C	3	2	Fully Attained	NA
	COURSE - II  AUDITING - I  (INTRODUCTIO  N AND  PLANNING)	1626UAFA D	3.25	2	Fully Attained	NA
	PLANNING) BUSINESS LAW	1623UAFB L	3	2	Fully Attained	NA
	- I FINANCIAL MANAGEMENT	1724UAFF M	2,25	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - II (SPECIAL ACCOUNTING	1625UAFF A	2.25	2	Fully Attained	NA
ш	AREAS) INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE -	1736UAFIT	2.25	2	Fully Attained	NA
	FOUNDATION COURSE IN MANAGEMENT - III (INTRODUCTIO N TO MANAGEMENT)	1737UAFF C	2.25	2	Fully Attained	NA NA
	BUSINESS ECONOMICS - II	1735UAFE	2.5	2	Fully Attained	NA



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\$#	(TECHNIQUES OF AUDITING AND AUDIT	1733UAFA D	3	2	Fully Attained	NA
	PROCEDURES) BUSINESS LAW - II (BUSINESS REGULATORY	1734UAFB L	2.5	2	Fully Attained	NA
	FRAMEWORK)  COST ACCOUNTING - I (INTRODUCTIO N AND ELEMENTS OF	1732UAFC A	2.25	2	Fully Attained	NA
2	FINANCIAL ACCOUNTING - III (SPECIAL ACCOUNTING AREAS)	1931UAFF	1.5	2	Not Attained	Assignment s, tutorials, exercises and remedial coaching shall be planned.
IV	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE -	1746UAFIT	2.5	2	Fully Attained	NA
	FOUNDATION COURSE IN COMMERCE - IV (INDIAN FINANCIAL SYSTEM)	1942UAFF C	2,25	2	Fully Attained	NA NA
	MANAGEMENT ACCOUNTING (INTRODUCTIO N TO MANAGEMENT ACCOUNTING)	A	3	2	Fully Attained	NA NA
	TAXATION - II (INDIRECT TAXES - II)	1743UAFT X	3	2	Fully Attained	
	BUSINESS LAW - III (THE	1744UAFB L	3	2	Fully Attained	, and



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2<	COMPANIES ACT 2013)					NIA
	RESEARCH METHODOLOG Y IN ACCOUNTING AND FINANCE	1745UAFR M	3	2	Fully Attained	NA NA
	FINANCIAL ACCOUNTING - IV (SPECIAL ACCOUNTING AREAS)	1741UAFF A	2.75	2	Fully Attained	NA
/ -	FINANCIAL ACCOUNTING -	1855UAFF A5	3	2	Fully Attained	
	FINANCIAL ACCOUNTING -	1856UAFF A6	3.25	2	Fully Attained	NA
	FINANCIAL MANAGEMENT	1852UAFF M	2.75	2	Fully Attained	NA
	- II COST ACCOUNTING -	1851UAFC A	2.25	2	Fully Attained	NA
	TAXATION - III (DIRECT TAXES	1855UAFT X	2.5	2	Fully Attained	NA
	- I)  MANAGEMENT - II  (MARKETING OF SERVICES)	1854UAFM A	2.5	2	Fully Attained	NA
VI	FINANCIAL ACCOUNTING -	1865UAFF A	4	2	Fully Attained	NA
	INTERNSHIP BASED	1962UAFIP	4	2	Fully Attained	NA
	PROJECT WORK ECONOMICS - III (INDIAN ECONOMY)	1864UAFE C	4	2	Fully Attained	NA
	COST ACCOUNTING - IV	1861UAFC A	2	2	Fully Attained	NA NA
	TAXATION- IV (DIRECT TAXES - II)	1965UAFD T	2.5	2	Fully Attained	NA



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INTERNATIONA	1966UAFIF	3	2	Fully Attained	
L FINANCE		2.81			
t Applicable as target	Average				

Table No.B.2a: PO Attainment Level- B.Com. (Accounting and Finance) (BAF)Academic Year 2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Measures		
89 332	-	Level	Fully Attained	NA		
A2018-19	4	4	Fully Attained	NA		
12010 20	5 ble as target level is	4	Fully Attailed	1		

# 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 2019-20

	AC	adellife Tear 20	***					
Seme	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
ster	BUSINESS COMMUNICATION - I INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - I	1611UAFBC	3.25	3.25		3.25		3.25
	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - I	1916UAFIT	3.25	3.25	3.25	3.25		3.25
1040	FOUNDATION COURSE -	1912UAFFC	3	3		3	3	
1_	BUSINESS ECONOMICS -	1614UAFBE	2.5	2.5		2.5	2.5	
	COMMERCE (BUSINESS ENVIRONMENT) - I	1613UAFCO	2.5	2.5		2.5	2.5	2.5
	BUSINESS	1717UAFBM	2.25		2.25	2.25		2.2
	MATHEMATICS FINANCIAL	1615UAFFA	2.25		2.25	2.25		2.2

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2	ACCOUNTING - I (ELEMENTS OF FINANCIAL ACCOUNTING)							
	BUSINESS COMMUNICATION - II	1621UAFBC	3.25	3.25		3.25		3.25
	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - II	1922UAFIT	3.25	3.25	3.25	3.25		3.25
	FOUNDATION COURSE -	1622UAFFC	3	3		3	3	
11	AUDITING - I (INTRODUCTION AND PLANNING)	1626UAFAD	3.25	3.25	3.25	3.25	3.25	3.25
	BUSINESS LAW - I	1623UAFBL	3	3	3	3	3	
	FINANCIAL MANAGEMENT - I	1724UAFFM	2.25	2.25	2.25	2.25		2.25
	FINANCIAL ACCOUNTING - II (SPECIAL ACCOUNTING AREAS)	1625UAFFA	2.25		2.25	2.25		2,25
(4)	INFORMATION TECHNOLOGY IN ACCOUNTING AND FINANCE - I	1736UAFIT	2.25	2.25		2.25	2.25	
	FOUNDATION COURSE IN MANAGEMENT - III (INTRODUCTION TO MANAGEMENT)	1737UAFFC	2.25	2.25		2.25	2.25	2.25
ш	BUSINESS ECONOMICS -	1735UAFEO	2.5	2.5	2.5	2.5	2.5	2.5
m	AUDITING - II (TECHNIQUES OF AUDITING AND AUDIT PROCEDURES)	1733UAFAD	3	3	3	- 3	3	3
	BUSINESS LAW - II (BUSINESS REGULATORY FRAMEWORK)	1734UAFBL	2.5	2.5	2.5	2.5	2.5	



	(INTRODUCTION AND	732UAFCA	2.25			2.25	2,25		2,2	25
	FINANCIAL ACCOUNTING - III (SPECIAL ACCOUNTING	1931UAFFA	1.5			1.5	1.5		1	.5
	INFORMATION TECHNOLOGY IN ACCOUNTING AND	1746UAFIT	2.5	2	2.5		2.5	2.5	2	.,5
	FINANCE - II  FOUNDATION COURSE IN COMMERCE - IV (INDIAN FINANCIAL	1942UAFFC	2.25	2	2.25	2.25	2.25		2	.25
	SYSTEM)  MANAGEMENT  ACCOUNTING (INTRODUCTION TO  MANAGEMENT  ACCOUNTING)	1742UAFM A	3			3	3	3		3
IV	TAXATION - II (INDIRECT TAXES - II)	1743UAFTX	3		3	3	3	3		3
	BUSINESS LAW - III (THE COMPANIES ACT 2013)	1744UAFBL	3		3	3	3	3		
	RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE	1745UAFRM	1			3	3			3
	FINANCIAL ACCOUNTING - IV (SPECIAL ACCOUNTING AREAS)	500000000	2.	75		2.7	5 2.7	15		2.75
	FINANCIAL ACCOUNTING - V	1855UAFF		3		3	3			3
V	FINANCIAL	1856UAFF 6	3	.25		3.2	5 3.	25		3.2
,	FINANCIAL MANAGEMENT - II	1852UAFF	2	2.75	2.7			75 2 25	.75	2.7
	COST ACCOUNTING - III	1851UAFC	CA 2	2.25		2.2	25 2.	43		

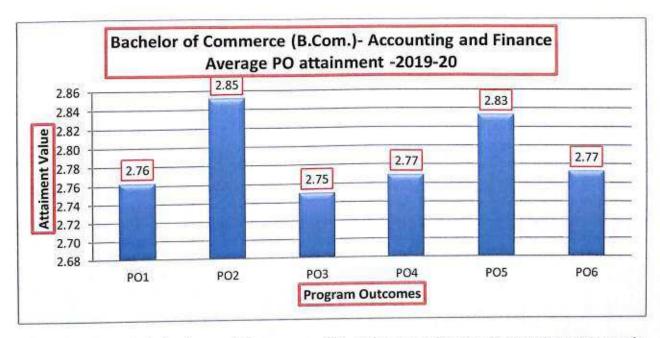


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	TAXATION - III (DIRECT TAXES - I)	1855UAFTX	2.5	2.5	2.5	2.5	2.5	2.5
	MANAGEMENT - II (MARKETING OF SERVICES)	1855UAFTX  1854UAFM A  1865UAFFA  1962UAFIP  1864UAFEC  1861UAFCA  1965UAFDT  1966UAFIF Average	2.5	2.5		2.5	2.5	2.5
	FINANCIAL ACCOUNTING - VII	1865UAFFA	4		4	4		4
	INTERNSHIP BASED PROJECT WORK	1962UAFIP	4	4	4	4	4	4
VI	ECONOMICS - III (INDIAN ECONOMY)	1864UAFEC	4	4		4	4	4
	COST ACCOUNTING - IV	1861UAFCA	2		2	2		2
	TAXATION- IV (DIRECT		2.5	2.5	2.5	2.5	2.5	2.5
vi	INTERNATIONAL FINANCE	1966UAFIF	3	3	3	3		3
74 - 14		Average	2.76	2.85	2.75	2.77	2.83	2.77



( - 1)

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 - 2019-20

nest	Course	Course Code		P. O 2	0 3	P 0 4	0	P 6	1	PS D	PS O 2	PS O 3	P.S 0 4			PS O	PS O I	PS O 2	PS O 3	PS O 4	PS O 5	6	_
	EFFECTIVE COMMUNICATION-I	1612UMMEC		*		1		1			-	-							-	-		+	
	MASS COMMUNICATION	1611UMMMC	*			*	1	1			-	+	+	-			-	+	+	+	+	+	
	INTRODUCTION TO FCONOMICS	1614UMMIE	*		*	1	*			1	_	+	+	+			+	+	+	+	-	+	_
1	INTRODUCTION TO	1615UMMIS	*	٠	*	1					-	+	+	-		_	+	+	+	+	+	-	_
	LANDMARK EVENTS OF THE WORLD, INDIA AND MAHARASHTRA	1713UMMLE		*														1	-	-	-	+	_
	INTRODUCTION TO COMPUTERS	1616UMMIC		*				•	*			+					-	+	+	+		+	
	EFFECTIVE		1	1	+				20	t	+	+	1			T	1	1	1				
	COMMUNICATION-II POLITICAL CONCEPTS	1621UMMEC	*	*	-	8	_(2	•	•	H	+	+				1	+	1		1	1	1	
	AND THE INDIAN POLITICAL SYSTEM	1622UMMPC						٠		-	1					-	1	+	-	+	-	1	
	INTRODUCTION TO LITERATURE	1623UMMIL							-	1	+	-			_	1	+	+	+	+	+	+	
	PRINCIPLES OF MARKETING	1624UMMPMK			k	*	*	*	*	+	+	-				+	+	+	+	+	+	$\dashv$	
п	PRINCIPLES OF	1626UMMPMC					*			+	4			_	-	+	+	-	+	+	+	$\dashv$	
-11	MEDIA PSYCHOLOGY	1625UMMPSY	-		-	-	Ė	Ė	1	1					I	1							0
_	INTRODUCTION TO	1734UMMPR						*	*						1	1	4				4	_	-
	PUBLIC RELATIONS MEDIA STUDIES	1731UMMMS		*		*	*	*	+	1	-			-	╀	+	-					-	t
111	UNDERSTANDING	1732UMMUC					1		*		-		_	-	+	+	4					-	
	INTRODUCTION TO CULTURAL STUDIES	1735UMMCS	_	*	*	+						_	-	-	+	-							
	CREATIVE WRITING	1733UMMCW		*	-	f	+	+	1	1		3783		1	+								Ī
	ADVANCED COMPUTERS	1736UMMAC		*	•	*	+	+	1	١				-	+	-							
F	PHOTOGRAPHY AND PRINT PRODUCTION	) 1743UMMPP	p	*				8		4													-
	INTRODUCTION TO JOURNALISM	1741UMMIJ						1			*	8	*	*	+		*			*			
1	INTRODUCTION TO ADVERTISING	1742UMMIA										_	-	-	+		_	-					
	TV AND RADIO	1744UMMR7	٧		*					*						_							_



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	RGANISATIONAL EHAVIOUR	746UMMOB				*		*			7			1			_	1	1	_				1
N	ASS MEDIA	745UMMMMR <sup>1</sup>								-			-	+	-		_	+	+					
			_		Ц			-	-	+			+	+			1	+	+					-
P	IEWSPAPER AND MAGAZINE MAKING	8512UMMNM				_	L	H	*	+		*	*			*	-	+	1				-	
sm I	UBLIC OI II II	18510UMMJP								*	8			*		•	L	-				_	-	
	NDIAN REGIONAL	18511UMMIR 19514UMMGN				H	H	+	*	+		100	+	+			+	+			) 		-	5
		M			L	1	+	+		+		*	+	+	-	*	-	+					+	1
Ì	The state of the s	1857UMMRP									•			-	•	*	-	+	=	_	-	-	+	ł
	CROSS MEDIA WRITING AND EDITING-I	19513UMMCME							*				1		•			-			. =			
						1	1	-	+			-	+	_	_	-	+	+	H		+	-	+	-
	BRAND BUILDING	1852UMMBB							*		*	*	*		_	*	+	-		-	-	+	+	_
	ADVERTISING IN CONTEMPORARY SOCIETY	1853UMMAC							*		*		*		•							-	1	
	CONSUMER BEHAVIOUR	1854UMMCB							*	ē.	*	٠		Ц		*		-		-	-	-	+	
V dve	MEDIA PLANNING AND BEHAVIOUR	1855UMMMP								sa .		*			*	٠						1	1	
35	COPYWRITING	1856UMMCW			4				- 1	•	*	*			*	*	1			-	+	-	+	_
	ADVERTISING DESIGN	7 VACCE ASSUMAN			-		-		-	2		*	4		*	*	+		L		+		-	
		1	+	+	-	-					+	+	-		+	+			H	+	+	+	1	
	CONTEMPORARY ISSUES	1961UMMCI	8			*	*		*											1	1			
	PRESS LAWS AND ETHICS	1868UMMPLE								*	*	-		4	+	*	11		-	+	+	+	-	
vi	BUSINESS AND MAGAZINE TOURNALISM	18610UMMBN	1J												*	-	6		-	-	+	-		
alis:	NEWS MEDIA MANAGEMENT	1861UMMNM	М				-	-	L		+	4	H	-	+	-			+	+	+	+		
	BROADCAST JOURNALISM	1869UMMBJ			L	L	L	-	-	*	+		*	*	+	-			+	+	+			
	CROSS MEDIA WRITING AND EDITING-II	19613UMMCI	ИE			-	-	-	-					*		-		-	+	-	-			
	DIGITAL MEDIA	1862UMMDIN	M_	*	*	*	*	*	*	-	+			+										-
v	I CONTEMPORARY	1961UMMCI		*		*		*		-														1
Ad	ver LEGAL ENVIRONME ing AND ADVERTISING	NT 1867UMMLE												1				*				_	_	

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ETHICS						_								-	-	-
FINANCIAL MANAGEMENT FOR MARKETING AND ADVERTISING	1863UMMFM										•	0				
PRINCIPLES AND	1864UMMDM										•		*	•		
AGENCY MANAGEMENT	1865UMMAM			L		L	L		-				-	$\vdash$	+	ŀ
DIGITAL MEDIA	1862UMMDIM	*	*	+	*	*	٠.	1	_	-			-	+	+	+

Table No. C.2: CO Attainment Level:
Bachelor of Multi Media & Mass Communication (BAMMC): Academic Year - 2019-20

em	Subject	Subject Code	CO Attainmen t value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
1	EFFECTIVE COMMUNICATION-I	1612UMMEC	2	2	Fully Attained	NA
	MASS COMMUNICATION	1611UMMMC	2.25	2	Fully Attained	NA
	INTRODUCTION TO ECONOMICS	1614UMMIE	2.25	2	Fully Attained	NA
	INTRODUCTION TO SOCIOLOGY	1615UMMIS	3.75	2	Fully Attained	NA
	LANDMARK EVENTS OF THE WORLD, INDIA AND MAHARASHTRA	1713UMMLE	3	2	Fully Attained	NA
	INTRODUCTION TO COMPUTERS	1616UMMIC	3.25	2	Fully Attained	NA
II	EFFECTIVE COMMUNICATION-II	1621UMMEC	2	2	Fully Attained	NA
577	POLITICAL CONCEPTS AND THE INDIAN POLITICAL SYSTEM	1622UMMPC	2	2	Fully Attained	NA
	INTRODUCTION TO LITERATURE	1623UMMIL	2	2	Fully Attained	NA
	PRINCIPLES OF MARKETING	1624UMMPMK	2.25	2	Fully Attained	NA
	PRINCIPLES OF	1626UMMPMG	2.25	2	Fully Attained	NA
_	MANAGEMENT MEDIA PSYCHOLOGY	1625UMMPSY	2.5	2	Fully Attained	NA Assignmer
Ш	INTRODUCTION TO	1734UMMPR	1.25	2	Not Attained	s, tutorials exercises and remedial coaching shall be planned.
	PUBLIC RELATIONS	1731UMMMS	3.25	2	Fully Attained	NA
	MEDIA STUDIES UNDERSTANDING CINEMA	1732UMMUC	2.25	2	Fully Attained	NA
	INTRODUCTION TO CULTURAL STUDIES	1735UMMCS	1.5	2	Not Attained	Assignme



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12	27				\$ #	s, tutorials, exercises and remedial coaching shall be planned.
	TO THE WALLE WALLENG	1733UMMCW	2.25	2	Fully Attained	NA
	CREATIVE WRITING ADVANCED COMPUTERS	1736UMMAC	2.25	2	Fully Attained	NA
202	PHOTOGRAPHY AND PRINT PRODUCTION	1743UMMPPP	2.5	2	Fully Attained	NA
	INTRODUCTION TO		2	2	Fully Attained	NA
	JOURNALISM  INTRODUCTION TO	1741UMMIJ	1	2	Not Attained	Assignment s, tutorials, exercises and remedial coaching shall be planned.
	ADVERTISNG	1744UMMRTV	2.5	2	Fully Attained	NA
	TV AND RADIO ORGANISATIONAL	1744UMMOB	2.25	2	Fully Attained	NA
-	BEHAVIOUR MASS MEDIA RESEARCH	1745UMMMMR	2	2	Fully Attained	NA
V	NEWSPAPER AND MAGAZINE MAKING	18512UMMNM	3.5	2	Fully Attained	NA
Jour nalis	JOURNALISM AND PUBLIC OPINION	18510UMMJP	4	2	Fully Attained	NA
m	INDIAN REGIONAL JOURNALISM	18511UMMIR	3	2	Fully Attained	NA
	GLOBAL AND NEW	19514UMMGNM	2.25	2	Fully Attained	NA
	MEDIA REPORTING	1857UMMRP	2.25	2	Not Attained	NA
	CROSS MEDIA WRITING AND EDITING-I		3.5	2	Fully Attained	NA
	BRAND BUILDING	1852UMMBB	3.25	2	Fully Attained	NA
V Advt	ADVERTISING IN CONTEMPORARY	1853UMMAC	2	2	Fully Attained	NA
	SOCIETY CONSUMER	1854UMMCB	2.25	2	Fully Attained	NA
	MEDIA PLANNING AND		2.5	2	Fully Attained	NA
	BEHAVIOUR COPYWRITING	1856UMMCW	3.25	2	Fully Attained	NA NA
	ADVERTISING DESIGN	1856UMMAD	2.25	2	Fully Attained	NA
VI Jour	CONTEMPORARY	1961UMMCI	2.25	2	Fully Attained	NA
nalis	PRESS LAWS AND	1868UMMPLE	3	2	Fully Attained	NA
m	BUSINESS AND MAGAZINE JOURNALISM	18610UMMBMJ	1.25	2	Not Attained	Assignments, tutorials exercises and remedial



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	==					coaching shall be planned.
	NEWS MEDIA	1861UMMNMM	3.75	2	Fully Attained	NA
)*	MANAGEMENT BROADCAST	1869UMMBJ	2.25	2	Fully Attained	NA
	JOURNALISM CROSS MEDIA WRITING	The second secon	2.25	2	Fully Attained	NA
	AND EDITING-II	19613UMMCME 1862UMMDIM	3.75	2	Fully Attained	NA
	DIGITAL MEDIA CONTEMPORARY	1961UMMCI	2.25	2	Fully Attained	NA
VI Advt	ISSUES LEGAL ENVIRONMENT AND ADVERTISING ETHICS	1867UMMLE	3	2	Fully Attained	NA
	FINANCIAL MANAGEMENT FOR MARKETING AND ADVERTISING	1863UMMFM	2.5	2	Fully Attained	NA
	PRINCIPLES AND PRACTICES OF DIRECT MARKETING	1864UMMDM	2.5	2	Fully Attained	NA
_	AGENCY	10CSER ANAMA	2.25	2	Fully Attained	NA
	MANAGEMENT	1865UMMAM 1862UMMDIM	3.75	2	Fully Attained	NA
	DIGITAL MEDIA	Average	2.52			

Table No. C.2a: PO Attainment Level-Bachelor of Multi Media & Mass Communication (BAMMC): 2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
		4	Fully Attained	NA
A2018-19	4	4	Fully Attained	NA
A2019-20	5 ble as target level is	4	Tuny Titume	

# 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. C.3: Results of CO-PO attainment- Bachelor of Multi Media & Mass Communication (BAMMC)- Academic Year 2019-20

Course PO PO PO PO O O O O O O O O O O O O O		Communica	1	1	1	I b	o lo	pg	IPS	PS	PS	PS	PS	PS	PS	PS	PS	PS	1
	Semes Course	NECESSION AND ADDRESS OF THE PARTY OF THE PA	PO 1	PO 2	PO 3	TO V	0 0	0	0	0	0	O 5	0	0	2	3	4	5	- 125

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k	COMMUNICATION-I	1612UM MEC	2	2		2.2						-	-	-	-		-	-	-		-
	MASS COMMUNICATION	1611UM MMC	2.25		2.25	5		2.			-	+	-	+	-	-	+	-	+	-	1
	INTRODUCTION TO ECONOMICS	1614UM MIE	2.25	2.25	2.25		1000	25			_	-	-	-			+	-	-	+	1
	INTRODUCTION TO SOCIOLOGY	1615UM MIS	3.75	3.75	3.75		_		_		-	+	-	-	+	-	+	+	+	+	-
	LANDMARK EVENTS OF THE WORLD, INDIA AND MAHARASHTRA	1713UM MLE	3	3	3	3															
	INTRODUCTION TO COMPUTERS	1616UM MIC	3.25	3.2	5		3.	3.					1	-	1	-	+	+			
	EFFECTIVE COMMUNICATION-I	1621UM I MEC	2	2	2		2	2				-	-	1	+	+	+	-	-	+	
	POLITICAL CONCEPTS AND THI INDIAN POLITICAL SYSTEM	312	2	2	2	2	2 2	2													
	INTRODUCTION TO LITERATURE	1623UN MIL	2	2		2	.2 2	1 2		1	+	+	-	-		-	+	+	+	+	_
	PRINCIPLES OF MARKETING	1624UN MPMK	2.2	52.	252.2	151	C+1.	5 2	5		1	1	1	1	+		+	+	+	+	
	PRINCIPLES OF MANAGEMENT	1626UN MPMG	2.2			1		2. 2.	5			+	-	-	+	+	+	+	+	+	_
	MEDIA PSYCHOLOGY	1625UN MPSY	1 2.	5 2	.5 2			5		1		-	-		-	+	+	-	-	+	_
	INTRODUCTION TO PUBLIC RELATION	1734UN S MPR	1.3	25 1.	251.	25	5	25	221	1	-				1	-			-	4	
	MEDIA STUDIES	1731UI MMS	M 3.	25 3	.253	25	900	25									4	-	_	-	
11)	UNDERSTANDING CINEMA	1732UI MUC	M 2.	25 2	.252	.25	- 11	25	-												
	INTRODUCTION TO CULTURAL STUDI	1735U	1 2	200	1.5	- 1		5	1. 5												
	CREATIVE WRITIN	1733U	M 2	.25	2.252	.25															
	ADVANCED	1736U MAC		.25	2.25	2.25	2.2 5	25	25												
	COMPUTERS PHOTOGRAPHY A PRINT PRODUCTION	ND 1743U	JM :	2.5	2.5	2.5		2.	2. 5												
	INTRODUCTION T JOURNALISM	O 1741U MIJ	JM							2	2	2	2	2	2			192			
I	V ADVERTISING	O 1742U MIA	JM				L	2	2			-	-			1	1	1	1	1	1
W	TV AND RADIO	1744U MRT	V25-	2.5	2.5	2.5	1	5	-		_	_	_						_		1
	ORGANISATIONA BEHAVIOUR	L 1746 MOB		2.25	2.25	2.2	5 2.5	331	2.												



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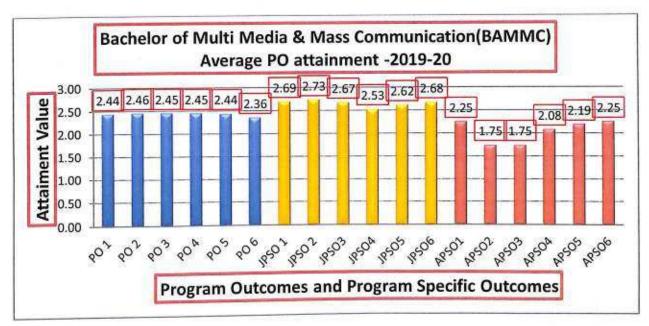
- 1	MASS MEDIA RESEARCH	1745UM MMMR	2	2	2			2		2.5	2	1		5 3	5					_	-
-	NEWSPAPER AND	18512U							3.5	3.5	3.5	13	ا د.	.5 3	٠.٥		녣				
- 1	MAGAZINE MAKING	MMNM		-	$\vdash$	-	Н		7 1147		1			535	255			ĥ			1
	JOURNALISM AND PUBLIC OPINION	18510U MMJP							4	4	4			4	4					_	_
- 11	INDIAN REGIONAL JOURNALISM	18511U MMIR							3						-	-		-	-	-	+
	GLOBAL AND NEW MEDIA	19514U MMGN M							2.2 5		- 2	5			5						-
	REPORTING	1857UM MRP							5	2.5	35	.2	2.2 5	5	2.2 5			_	-	1	
	CROSS MEDIA WRITING AND	19513U MMCM E							3.5	5 3.				3.5	3.5						
_	EDITING-I BRAND BUILDING	1852UM MBB							3.2	- N	20.0	.2 5	3.2 5		3.2 5						1
87	ADVERTISING IN CONTEMPORARY SOCIETY	1853UM MAC							2			2	2	2	2				1		
	CONSUMER BEHAVIOUR	1854UM MCB							2.	77	.2 2	5			2.2 5		-	1		1	+
	MEDIA PLANNING BAND BEHAVIOUR	1855UM MMP								.5 2				2.5	2.5				-		1
	COPYWRITING	1856UM MCW					1	1		5	5	5	2.5	5	5		-	-	-		+
	ADVERTISING DESIGN	1856UN MAD	1		4		2.2	2 3		5	5	5	5	6,00	5	-		+	+		-
	CONTEMPORARY ISSUES	1961UN MCI	4	.25 2	.252	2.25	5		2.5	-	3	3	3	3	3	-	-	+	+	-	
	PRESS LAWS AND ETHICS BUSINESS AND	1868UN MPLE	1			-		+	+	3	3		-	+	2 1.		+	+	1	1	
	MAGAZINE JOURNALISM	18610U MMBM	IJ							5			1	5	3.		-			-	
	NEWS MEDIA MANAGEMENT	1861UN MNMN	1					Н		5	2.2	2.	2 2	2 2.	5				-		
	BROADCAST JOURNALISM	1869UI MBJ 19613U			) ===1					5 2.2	5	5		.2 2	5 5	5	-	-		i Y	
-	CROSS MEDIA WRITING AND EDITING-II	MMCN E					2.7	12		5	5			10.11		5	-				
	DIGITAL MEDIA	1862U MDIM		3.75	3.75	3.75	3.7	75				-		-		-	-				
	VI CONTEMPORARY	1961U MCI	М	2.25	2.25	2.2		2 2.	2. 25		-	-	1								



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100	LEGAL ENVIRONMENT AND ADVERTISING	1867UM						6							3			3	3	3
17	\$35000 pt 10 14 5 00 10 m -	MLE																ir-		
		1863UM MFM						3.							2.5					2.5
	PRINCIPLES AND PRACTICES OF DIRECT MARKETING	1864UM MDM													2.5	2.5	2.5			2.5
	DIGNOR POSITION CONTRACTOR CONTRA	1865UM MAM													2.2 5			2.2 5	2.2 5	2.2 5
	DIGITAL MEDIA	1862UM MDIM	3,75	3.75	3.75	3.7 5	3. 75	22.0												
		Average	2.44	2.46	2.45	2.4	2. 44	2. 36	2.6	2.7	2.6	2.5	2.6	2.6	2.2	1.75	1.7	2.0	2.1 9	2.2



From above graph, it is observed that average PO attainment value for all but two program outcomes and program specific outcomes is greater than 2. It means, PO attainment by corresponding courses is at Very Good (value between 2 and 2.5) level. In fact in some cases it is at excellent level (value greater than 2.5).

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## ANNEXTURE 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 - 2019-20

em ster	Course	Code	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6
ster	BUSINESS COMMUNICATION - I	1611UBIBC	*	*				
100	PRINCIPLES OF	1614UBIPM	*	*	*		JI.	*
I	MANAGEMENT FOUNDATION	1612UBIFC	*	*			×	*
	COURSE - I BUSINESS	1613UBIBE	*	*	*			*
	ECONOMICS - I FINANCIAL ACCOUNTING - I	1616UBIFA	*		*	*		*
	ENVIRONMENT AND MANAGEMENT OF FINANCIAL	1615UBIEM	w	*			*	
	SERVICES QUANTITATIVE METHODS - I	1617UBIQM	×		Ŕ	*		*
.33			1200	*	_	-		*
	BUSINESS COMMUNICATION- II	1621UBIBC	*				*	*
	ORGANISATIONAL BEHAVIOUR	1623UBIOB	*	*			* -	*
п	FOUNDATION COURSE- II	1622UBIFC	*	k				
	BUSINESS LAW	1624UBIBL	*		*		×	*
	FINANCIAL ACCOUNTING - II	1626UBIFA	*		*	ń		*
	PRINCIPLES AND PRACTICES OF BANKING AND INSURANCE	1625UBIPP	×	*		*		*
	QUANTITATIVE METHODS -II	1627UBIQM	*	-	*			
	FINANCIAL MARKETS	1731UBIFM				*		*
11	INFORMATION TECHNOLOGY IN BANKING AND	1732UBIIT	*	*	*	*		*
257	FINANCIAL	1733UBIFT	*		7	, 0		



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	MANAGEMENT - I		*		*			*
Ī	MANAGEMENT	1734UBIMA	<b>T</b>	l .	18853			
1	ACCOUNTING	1735UBIDT	*		*		=	×
	DIRECT TAXATION	1936UBIRM	*		*	*		
	RISK MANAGEMENT	-	040	-		_	*	*
- 1	FOUNDATION COURSE - III (HUMAN RESORUCE MANAGEMENT)	1737UBIFC	*	*				
	1	1744UBICL	*		*		1	*
	CORPORATE AND	1/440BICL						
v	SECURITIES LAW INFORMATION TECHNOLOGY IN BANKING AND	1745UBIIT	*	*		*		*
	INSURANCE -II FINANCIAL	1742UBIFM	*		*	*		*
	MANAGEMENT -II	1743UBICA	×		*	×		-
	COST ACCOUNTING	1741UBIBE	*	*				*
	BUSINESS ECONOMICS -II	I to the source of	-					-
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	1946UBICG	*	*			*	*
	FOUNDATION COURSE -IV (INTRODUCTION TO INTERNATIONAL BUSINESS)	1747UBIFC	*	*				
			*	*				*
	INTERNATIONAL BANKING AND FINANCE	1855UBIIB				*		*
v	RESEARCH	1856UBIRM			*	*		
V	ACTUARIAL ANALYSIS IN BANKING AND INSURANCE	1854UBIAA					*	*
	FINANCIAL REPORTING AND	1851UBIFR A	*		×			10000
	ANALYSIS	1852UBIAU	j *	*			*	
	AUDITING - I FINANCIAL SERVICES MANAGEMENT	1853UBIFS		*				*
	TURNAROUND MANAGEMENT	1863UBIT	M *		*	, <		*

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	INTERNSHIP BASED PROJECT WORK	1866UBIPW	÷	*		*	*	*
VI	MARKETING IN BANKING AND INSURANCE	1864UBIMB I	Ŕ	*				*
	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	1861UBISA	*		*	*	*	
	AUDITING- II	1862UBIAD	*	*	*	-		*
W	BANKING ASPECTS IN BUSINESS	1966UBIBA	*	×				

Table No. D.2: CO Attainment Level: Bachelor of Commerce (Banking and Insurance)\_BBI
Academic Year - 2019-20

Course	Course Code	CO Attainmen t value	Attainmen t Target Level	Fully Attained/ Not Attained	Remedial Measures
BUSINESS COMMUNICATIO	1611UBIBC	2.25	2	Fully Attained	NA
PRINCIPLES OF	1614UBIPM	3.75	2	Fully Attained	NA
FOUNDATION	1612UBIFC	3	2	Attained	NA
BUSINESS	1613UBIBE	2.25	2	Fully Attained	NA
FINANCIAL	1616UBIFA	3.75	2	Fully Attained	NA
ENVIRONMENT AND MANAGEMENT OF FINANCIAL	1615UBIEM	3	2	Fully Attained	NA
QUANTITATIVE	1617UBIQM	2.25	2	Attained	NA
BUSINESS COMMUNICATIO	1621UBIBC	2.75	2	Attained	NA
ORGANISATIONA	1623UBIOB	3	2	Attained	NA
FOUNDATION	1622UBIFC	3.25	2	Attained	NA
BUSINESS LAW	1624UBIBL	2.5	2	Fully Attained	NA
	BUSINESS COMMUNICATIO N - I PRINCIPLES OF MANAGEMENT FOUNDATION COURSE - I BUSINESS ECONOMICS - I FINANCIAL ACCOUNTING - I ENVIRONMENT AND MANAGEMENT OF FINANCIAL SERVICES QUANTITATIVE METHODS - I BUSINESS COMMUNICATIO N - II ORGANISATIONA L BEHAVIOUR FOUNDATION COURSE - II	BUSINESS COMMUNICATIO N - I PRINCIPLES OF MANAGEMENT FOUNDATION COURSE - I BUSINESS ECONOMICS - I FINANCIAL ACCOUNTING - I ENVIRONMENT AND MANAGEMENT OF FINANCIAL SERVICES QUANTITATIVE METHODS - I BUSINESS COMMUNICATIO N - II ORGANISATIONA L BEHAVIOUR FOUNDATION COURSE - II 1611UBIBC 1615UBIEM 1617UBIQM 1621UBIBC	Course Code Attainmen t value  BUSINESS COMMUNICATIO N-I  PRINCIPLES OF MANAGEMENT  FOUNDATION COURSE - I  BUSINESS ECONOMICS - I  FINANCIAL ACCOUNTING - I  ENVIRONMENT AND MANAGEMENT  OF FINANCIAL SERVICES  QUANTITATIVE METHODS - I  BUSINESS COMMUNICATIO N-II  ORGANISATIONA L BEHAVIOUR  FOUNDATION COURSE - II  Attainmen t value  2.25  Attainmen t value  1614UBIPM 3.75  A 3.75  I 613UBIBE 2.25  I 615UBIEM 3.75  A 1621UBIBC 2.75  ORGANISATIONA I 623UBIOB 3  L BEHAVIOUR 1622UBIFC 3.25	Course	Course Code  Code  Attainmen t value  Code  Attainmen t value  BUSINESS COMMUNICATIO N-I  PRINCIPLES OF MANAGEMENT  FOUNDATION COURSE - I  BUSINESS ECONOMICS - I  FINANCIAL ACCOUNTING - I  ENVIRONMENT AND MANAGEMENT  FOUNDATION OF FINANCIAL SERVICES  QUANTITATIVE METHODS - I  BUSINESS COMMUNICATIO  1615UBIEM ATTAINE ACCOUNTING - I  ENVIRONMENT AND MANAGEMENT OF FINANCIAL SERVICES  QUANTITATIVE METHODS - I  BUSINESS COMMUNICATIO N- II  ORGANISATIONA L BEHAVIOUR  FOUNDATION COURSE - II  1623UBIOB  3 2 Fully Attained



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	FINANCIAL ACCOUNTING - II	1626UBIFA	2	2	Fully Attained	NA
	PRINCIPLES AND PRACTICES OF BANKING AND INSURANCE	1625UBIPP	3.25	2	Fully Attained	NA
	QUANTITATIVE METHODS -II	1627UBIQM	3	2	Fully Attained	NA
II	FINANCIAL MARKETS	1731UBIFM	2.5	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE-I	1732UBIIT	1.25	2	Not Attained	Assignments, tutorials, exercises and remedial
	FINANCIAL MANAGEMENT - I	1733UBIFT	1.75	2	Not Attained	coaching shall be planned.
	MANAGEMENT ACCOUNTING	1734UBIMA	2.25	2	Fully Attained	NA
	DIRECT TAXATION	1735UBIDT	2	2	Fully Attained	NA
	RISK MANAGEMENT	1936UBIRM	2.25	2	Fully Attained	NA
	FOUNDATION COURSE - III (HUMAN RESORUCE MANAGEMENT)	1737UBIFC	2.25	2	Fully Attained	NA
IV	CORPORATE AND SECURITIES LAW	1744UBICL	2.5	2	Fully Attained	NA
	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE -II	1745UBIIT	3	2	Fully Attained	NA
	FINANCIAL MANAGEMENT -	1742UBIFM	2.25	2	Fully Attained	NA
	COST ACCOUNTING	1743UBICA	3	2	Fully Attained	NA
	BUSINESS ECONOMICS -II	1741UBIBE	3	2	Fully Attained	NA
	BUSINESS ETHICS AND CORPORATE	1946UBICG	3.25	2	Fully Attained	NA
	GOVERNANCE FOUNDATION COURSE -IV (INTRODUCTION	1747UBIFC	2.25	2	Fully Attained	NA

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	TO INTERNATIONAL BUSINESS)					
V	INTERNATIONAL BANKING AND FINANCE	1855UBIIB	3.25	2	Fully Attained	NA
	RESEARCH METHODOLOGY	1856UBIRM	2.5	2	Fully Attained	NA
	ACTUARIAL ANALYSIS IN BANKING AND INSURANCE	1854UBIAA	3	2	Fully Attained	NA
	FINANCIAL REPORTING AND ANALYSIS	1851UBIFR A	2.25	2	Fully Attained	NA
	AUDITING - I	1852UBIAU	2.5	2	Fully Attained	NA
	FINANCIAL SERVICES MANAGEMENT	1853UBIFS	2.5	2	Fully Attained	NA
VI	TURNAROUND MANAGEMENT	1863UBITM	2.5	2	Fully Attained	NA
	INTERNSHIP BASED PROJECT WORK	1866UBIPW	3,25	2	Fully Attained	NA
	MARKETING IN BANKING AND INSURANCE	1864UBIMB I	2.5	2	Fully Attained	NA
	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	1861UBISA	3	2	Fully Attained	NA
	AUDITING- II	1862UBIAD	2.25	2	Fully Attained	NA
	BANKING ASPECTS IN BUSINESS	1966UBIBA	3.25	2	Fully Attained	NA
		Average	2.66			

Table No.D.2a: PO Attainment Level-B.Com(Banking and Insurance)-BBI-2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	5	4	Fully Attained	NA
A2019-20	5	4	Fully Attained	NA

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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 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 2019-20

Semes ter	Course	Course Code	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6
	BUSINESS COMMUNICATIO N - I	1611UBIBC	2.25	2.25			2.25	2.25
I	PRINCIPLES OF MANAGEMENT	1614UBIP M	3.75	3.75	3.75			3.75
960	FOUNDATION COURSE - I	1612UBIFC	3	3			3	3
	BUSINESS ECONOMICS - I	1613UBIBE	2.25	2.25	2.25			2.25
	FINANCIAL ACCOUNTING - I	1616UBIFA	3.75		3.75	3.75		3.75
	ENVIRONMENT AND MANAGEMENT OF FINANCIAL SERVICES	1615UBIE M	3	3			3	
	QUANTITATIVE METHODS - I	1617UBIQ M	2.25		2.25	2.25		2.25
=	BUSINESS COMMUNICATIO N- II	1621UBIBC	2.75	2.75				2.75
П	ORGANISATION AL BEHAVIOUR	1623UBIOB	3	3			3	3
	FOUNDATION COURSE- II	1622UBIFC	3.25	3.25			3.25	3.25
	BUSINESS LAW	1624UBIBL	2.5		2.5		2.5	
1 2	FINANCIAL ACCOUNTING - II	1626UBIFA	2		2	2		2
	PRINCIPLES AND PRACTICES OF BANKING AND INSURANCE	1625UBIPP	3.25	3.25				3.25

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	QUANTITATIVE METHODS -II	1627UBIQ M	3		3	3		3
	FINANCIAL MARKETS	1731UBIF M	2.5			2.5		2.5
ш	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE-I	1732UBIIT	1.25	1.25	1.25			1.25
	FINANCIAL MANAGEMENT - I	1733UBIFT	1.75		1.75	1.75		1.75
	MANAGEMENT ACCOUNTING	1734UBIM A	2.25		2.25			2.25
	DIRECT TAXATION	1735UBIDT	2		2			2
	RISK MANAGEMENT	1936UBIR M	2.25		2.25	2.25		
# · ·	FOUNDATION COURSE - III (HUMAN RESORUCE MANAGEMENT)	1737UBIFC	2.25	2.25			2.25	2.25
	CORPORATE AND SECURITIES LAW	1744UBICL	2.5		2.5			2.5
IV	INFORMATION TECHNOLOGY IN BANKING AND INSURANCE -II	1745UBIIT	3	3		3	5	3
	FINANCIAL MANAGEMENT - II	1742UBIF M	2.25		2.25	2.25		2.25
	COST ACCOUNTING	1743UBICA	3		3	3		
	BUSINESS ECONOMICS -II	1741UBIBE	3	3		4		3
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	1946UBICG	3.25	3,25			3.25	3.25
	FOUNDATION COURSE -IV (INTRODUCTION TO	1747UBIFC	2.25	2.25			2.25	2.25



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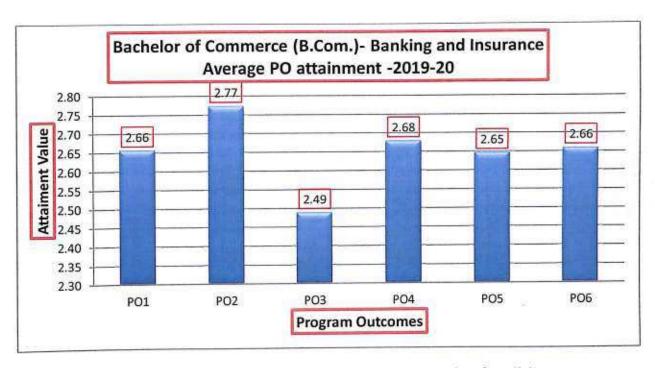
	INTERNATIONA L BUSINESS)	1						
	INTERNATIONA L BANKING AND FINANCE	1855UBIIB						
	RESEARCH METHODOLOGY	1856UBIR M	3.25	3.25				3.25
<b>V</b> -	ACTUARIAL ANALYSIS IN BANKING AND INSURANCE	1854UBIA A	2.5		2.5	2.5		2.5
	FINANCIAL REPORTING AND ANALYSIS	1851UBIFR A	3		3	3		
	AUDITING - I	1852UBIA U	2.25		2.25		2.25	2.25
	FINANCIAL SERVICES MANAGEMENT	1853UBIFS	2.5	2.5			2.5	
	Minimum	2	2.5	2.5				2.5
	TURNAROUND MANAGEMENT	1863UBIT M					-	
	INTERNSHIP BASED PROJECT WORK	1866UBIP W	2.5		2.5			2.5
VI	MARKETING IN BANKING AND INSURANCE	1864UBIM BI	3.25	3,25		3.25		3.25
	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	1861UBISA	2.5	2.5				2.5
	AUDITING- II	1862UBIA D	3		3	3		3
	BANKING ASPECTS IN BUSINESS	1966UBIBA	2.25	2.25	2.25		2.25	
	BUSINESS COMMUNICATIO N - I	1611UBIBC	3.25	3.25				3.25
		Average	2.66	2.77	2.49	2.68	2.65	2.66



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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 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 - 2019-20

Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO
	BUSINESS COMMUNICATION -I	1611UFMBC	*	*	*	*		*
*	BUSINESS ENVIRONMENT	1613UFMBV	*	*			*	*
	FOUNDATION COURSE – I	1612UFMFC		*	*		*	
1	BUSINESS ECONOMICS-I	1614UFMBE	*	*	*	*		*
4	FINANCIAL ACCOUNTING- I	1615UFMFA	*	*	*	*		*
	INTRODUCTION TO FINANCIAL SYSTEM	1616UFMFS	*	*				*
	BUSINESS MATHEMATICS	1617UFMBM	*	*	*	*		*
	BUSINESS COMMUNICATION -II	1621UFMBC	*	*	*	*		*
	ACCOUNTING IN CORPORATE ENVIRONMENT	1723UFMAC	*	*	*	*		*
	FOUNDATION COURSE – II	1622UFMFC		*	*	*	*	
II	COMPUTER SKILLS-I	1624UFMCS	*	*		*	*	*
	FINANCIAL ACCOUNTING- II	1625UFMFA	*	*	(J.*)	*		*
	PRINCIPLES OF MANAGEMENT	1626UFMPM G	*	*	*	*	*	*
	BUSINESS STATISTICS	1627UFMBS	*	*	*	*		
ш	MANAGEMENT ACCOUNTING	1735UFMMA	*	*	*	*		*
ш	FOUNDATION COURSE IN	1734UFMMM	*	*	*	*		*

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	FINANCIAL MARKETS							
	DEBT MARKET-I	1731UFMDM	*	*	*	*		*
	EQUITY MARKET-I	1732UFMEM	*	*	*	*		
	COMMODITY MARKET	1733UFMCM	*	*	*	*		
	COMPUTER SKILLS-II	1737UFMCS	*	*	*	*		*
	BUSINESS LAW-I	1736UFMBL	*	*	*	*	*	H
	CORPORATE	1745UFMCF	*	*	*	*		*
	FINANCE	75.53 K. S. S. S. S. S. S. S. S.		5-35	Mane.			
_	FOUNDATION COURSE – IV (FOREIGN EXCHANGE MARKET)	1742UFMFC	*	*	*	*		*
100	DEBT MARKET-II	1741UFMDM	*	*	*	*		*
IV	EQUITY MARKET - II	1742UFMEM	*	**	*	*		*
	COMMODITY AND DERIVATIVE MARKET	1743UFMCD	*	*	*	*		*
	BUSINESS ECONOMICS-II	1747UFMBE	*	*	*	*		*
	BUSINESS LAW-II	1746UFMBL	*	*	*	*	*	*
	FINANCIAL DERIVATIVES	1855UFMFD	*	*	*	*		*
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	1856UFMBE	*	*			*	*
	CORPORATE ACCOUNTING	1852UFMCA	*	*	*	*		*
V	EQUITY RESEARCH	1853UFMER	*	*	*	*		*
	DIRECT TAX - INCOME TAX	1854UFMDT	*	*	*	*	*	*
	MARKETING IN FINANCIAL SERVICES	1851UFMMF	*	*	*	*		*
			- 2		95			
	RISK MANAGEMENT	1865UFMRM	*	*	*	*		*
VI	INTERNSHIP BASED PROJECT WORK	1866UFMPW	*	*	*	ж	*	*



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(2) (3)	VENTURE CAPITAL AND PRIVATE EQUITY	1861UFMVE	*	*	*	*		*
	STRATEGIC CORPORATE FINANCE	1863UFMCF	*	*	*	*		*
	INDIRECT TAX- GST	1845UFMIT	*	*	*	*	*	*
	ORGANIZATIONAL BEHAVIOUR	1962UFMOB	*	*	*		*	*

Table No. E.2: CO Attainment Level: Bachelor of Commerce (Financial Markets)-BFM
Academic Year - 2019-20

Seme ster	Course	Course Code	CO Attainme nt value	Attainme nt Target Level	Fully Attained/ Not Attained	Remedial Measures
1	BUSINESS COMMUNICA TION-I	1611UFMBC	2.75	2	Fully Attained	NA
	BUSINESS ENVIRONME NT	1613UFMBV	2	2	Fully Attained	NA
	FOUNDATION COURSE – I	1612UFMFC	2.25	2	Fully Attained	NA
	BUSINESS ECONOMICS-I	1614UFMBE	2.25	2	Fully Attained	NA
	FINANCIAL ACCOUNTING - I	1615UFMFA	2.75	2	Fully Attained	NA
	INTRODUCTI ON TO FINANCIAL SYSTEM	1616UFMFS	2.5	2	Fully Attained	NA
	BUSINESS MATHEMATI CS	1617UFMBM	2.25	2	Fully Attained	NA
11	BUSINESS COMMUNICA TION-II	1621UFMBC	2.25	2	Fully Attained	NA
	ACCOUNTING IN CORPORATE ENVIRONME NT	1723UFMAC	2	2	Fully Attained	NA
	FOUNDATION COURSE – II	1622UFMFC	2.5	2	Fully Attained	NA
	COMPUTER SKILLS-I	1624UFMCS	2.25	2	Fully Attained	NA

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	FINANCIAL ACCOUNTING - II	1625UFMFA	2.5	2	Fully Attained	NA
	PRINCIPLES OF MANAGEMEN T	1626UFMPM G	2	2	Fully Attained	NA
39.	BUSINESS STATISTICS	1627UFMBS	2	2	Fully Attained	NA
III	MANAGEMEN T ACCOUNTING	1735UFMMA	3.25	2	Fully Attained	NA
100	FOUNDATION COURSE IN FINANCIAL MARKETS	1734UFMMM	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	DEBT MARKET-I	1731UFMDM	2.5	2	Fully Attained	NA
	EQUITY MARKET-I	1732UFMEM	2.25	2	Fully Attained	NA
	COMMODITY MARKET	1733UFMCM	1.75	2	Not Attained	Assignments, tutorials,
=	COMPUTER SKILLS-II	1737UFMCS	1.75	2	Not Attained	exercises and remedial coaching shall be
	BUSINESS LAW-I	1736UFMBL	2.5	2	Fully Attained	planned. NA
IV	CORPORATE FINANCE	1745UFMCF	2.25	2	Fully Attained	NA
	FOUNDATION COURSE – IV (FOREIGN EXCHANGE MARKET)	1742UFMFC	2.25	2	Fully Attained	NA
	DEBT MARKET-II	1741UFMDM	2.5	2	Fully Attained	NA
	EQUITY MARKET - II	1742UFMEM	3.25	2	Fully Attained	NA
	COMMODITY AND DERIVATIVE MARKET	1743UFMCD	2.5	2	Fully Attained	NA
	BUSINESS ECONOMICS- II	1747UFMBE	2.5	2	Fully Attained	NA

	BUSINESS LAW-II	1746UFMBL	3.25	2	Fully Attained	NA
V	FINANCIAL DERIVATIVES	1855UFMFD	3.25	2	Fully Attained	NA
	BUSINESS ETHICS AND CORPORATE GOVERNANC E	1856UFMBE	2.5	2	Fully Attained	NA
	CORPORATE ACCOUNTING	1852UFMCA	2.5	2	Fully Attained	NA
7.3	EQUITY RESEARCH	1853UFMER	2	2	Fully Attained	NA
	DIRECT TAX - INCOME TAX	1854UFMDT	2	2	Fully Attained	NA
	MARKETING IN FINANCIAL SERVICES	1851UFMMF	2.5	2	Fully Attained	NA
/I	RISK MANAGEMEN T	1865UFMRM	2.5	2	Fully Attained	NA
	INTERNSHIP BASED PROJECT WORK	1866UFMPW	3.25	2	Fully Attained	NA
	VENTURE CAPITAL AND PRIVATE EQUITY	1861UFMVE	E 3.25 2 Full	Fully Attained	NA	
	STRATEGIC CORPORATE FINANCE	1863UFMCF	2.5	2	Fully Attained	NA
	INDIRECT TAX-GST	1845UFMIT	2.25	2	Fully Attained	NA
	ORGANIZATI ONAL BEHAVIOUR	1962UFMOB	2	2	Fully Attained	NA
		Average	2.42			

Table No.E.2a: PO Attainment Level- Bachelor of Financial Markets - BFM- 2018-19

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	5	4	Fully Attained	NA
A2019-20	4	4	Fully Attained	NA

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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. E.3: Results of CO-PO attainment- Bachelor of Financial Markets (BFM)Academic Year 2019-20

	1	Academic Year	2017-20			v		
Semeste	Subject	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
·	BUSINESS COMMUNICATION-I	1611UFMBC	2.75	2.75	2.75	2.75		2.75
	BUSINESS ENVIRONMENT	1613UFMBV	2	2			2	2
	FOUNDATION COURSE	1612UFMFC		2.25	2.25		2.25	
I	BUSINESS ECONOMICS-I	1614UFMBE	2.25	2.25	2.25	2.25		2.25
	FINANCIAL ACCOUNTING- I	1615UFMFA	2.75	2.75	2.75	2.75		2.75
	INTRODUCTION TO FINANCIAL SYSTEM	1616UFMFS	2.5	2.5				2.5
	BUSINESS MATHEMATICS	1617UFMBM	2.25	2.25	2.25	2.25		2.25
	BUSINESS COMMUNICATION-II	1621UFMBC	2.25	2.25	2.25	2.25		2.25
	ACCOUNTING IN CORPORATE ENVIRONMENT	1723UFMAC	2	2	2	2		2
п	FOUNDATION COURSE	1622UFMFC		2.5	2.5	2.5	2.5	
11	COMPUTER SKILLS-I	1624UFMCS	2.25	2.25		2.25	2.25	2.25
	FINANCIAL ACCOUNTING- II	1625UFMFA	2.5	2.5	2.5	2.5		2.5
	PRINCIPLES OF MANAGEMENT	1626UFMPM G	2	2	2	2	2	2
-	BUSINESS STATISTICS	1627UFMBS	2	2	2	2		2
m	MANAGEMENT ACCOUNTING	1735UFMMA	3.25	3.25	3.25	3.25		3.25

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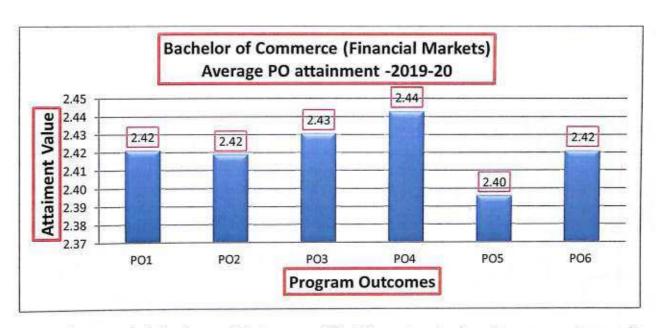
	FOUNDATION COURSE IN FINANCIAL MARKETS	1734UFMMM	1.5	1.5	1.5	1.5		1.5
	DEBT MARKET-I	1731UFMDM	2.5	2.5	2.5	2.5		2.5
	EQUITY MARKET-I	1732UFMEM	2.25	2.25	2.25	2.25		2.25
	COMMODITY MARKET	1733UFMCM	1.75	1.75	1.75	1.75		1.75
	COMPUTER SKILLS-II	1737UFMCS	1.75	1.75	1.75	1.75		1.75
	BUSINESS LAW-I	1736UFMBL	2.5	2.5	2.5	2.5	2.5	2.5
	CORPORATE FINANCE	1745UFMCF	2.25	2.25	2,25	2.25		2.25
23	FOUNDATION COURSE  – IV (FOREIGN  EXCHANGE MARKET)	1742UFMFC	2.25	2.25	2.25	2.25		2.25
	DEBT MARKET-II	1741UFMDM	2.5	2.5	2.5	2.5		2.5
IV	EQUITY MARKET - II	1742UFMEM	3.25	3.25	3.25	3.25		3.25
	COMMODITY AND DERIVATIVE MARKET	1743UFMCD	2.5	2.5	2.5	2.5		2.5
	BUSINESS ECONOMICS-II	1747UFMBE	2.5	2.5	2.5	2.5		2.5
	BUSINESS LAW-II	1746UFMBL	3.25	3.25	3.25	3.25	3.25	3.25
	FINANCIAL DERIVATIVES	1855UFMFD	3.25	3.25	3.25	3.25		3.25
	BUSINESS ETHICS AND CORPORATE GOVERNANCE	1856UFMBE	2.5	2.5			2.5	2.5
v	CORPORATE ACCOUNTING	1852UFMCA	2.5	2.5	2.5	2.5		2.5
	EQUITY RESEARCH	1853UFMER	2	2	2	2		2
	DIRECT TAX - INCOME TAX	1854UFMDT	2	2	2	2	2	2
n par	MARKETING IN FINANCIAL SERVICES	1851UFMMF	2,5	2.5	2.5	2.5		2.5
	RISK MANAGEMENT	1865UFMRM	2.5	2.5	2.5	2.5		2.5
	INTERNSHIP BASED PROJECT WORK	1866UFMPW	3.25	3.25	3.25	3.25	3.25	3.25
VI	VENTURE CAPITAL AND PRIVATE EQUITY	1861UFMVE	3.25	3.25	3.25	3.25		3.25
V.I	STRATEGIC CORPORATE FINANCE	1863UFMCF	2.5	2,5	2.5	2.5		2.5
	INDIRECT TAX-GST	1845UFMIT	2.25	2.25	2.25	2.25	2.25	2.25
	ORGANIZATIONAL BEHAVIOUR	1962UFMOB	2	2	2		2	2
		Average	2.42	2.42	2.43	2.44	2.40	2.42



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



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#### ANNEXTURE F

### Bachelor of Management Studies (BMS):

Table No. E.1: PO CO Mapping Matrix: Bachelor of Management Studies (BMS):
Academic Year - 2019-20

	Course								I	Finance	Election	ve	A	1arketin	g Electiv	'e
sem este r		Cours e Code	P O 1	P O 2	P O3	P 04	P 05	P 06	PSO 1	PS O2	PS O3	PSO 4	PSO5	PSO 6	PSO 7	PSO 8
	BUSINESS COMMUNICA TION – I	1611U MSBC		*												
	FOUNDATION COURSE - 1	1612U MSFC	100	*												
	FOUNDATION OF HUMAN SKILLS	1613U MSHS					*									
	BUSINESS LAW	1616U MSBL			*		*									
1	BUSINESS STATISTICS	1617U MSBS		*			*	*								
	INTRODUCTI ON TO FINANCIAL ACCOUNTS	1615U MSFA		*		¥1		*:								
	PRINCIPLES OF MANAGEMEN T	1714U MSP M	*	*	¥	*		*								
	BUSINESS COMMUNICA TION-II	1621U MSBC			*			*								
	FOUNDATION COURSE -II (VALUE EDUCATION AND SOFT SKILLS)	1622U MSFC	/- <b>W</b> -:		*	*						120				
11	BUSINESS ENVIRONME NT	1623U MSBE	*					*								
	BUSINESS MATHEMATI CS	1627U MSB M	*													
	INDUSTRIAL LAW	1626U MSIL	*													
	PRINCIPLES OF MARKETING	1625U MSP MK			*	*	*	*						G = 3		



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IX)	BUSINESS ECONOMICS - I	1724U MSEC O	*	٠											
100	INFORMATIO N TECHNOLOG Y IN BUSINESS MANAGEMEN T-I	1731U MSIT		*	*			•							
	PERSONAL EFFECTIVENE SS MANAGEMEN T	1832U MPE M			*	*									
	BUSINESS PLANNING AND ENTREPRENE URSHIP MANAGEMEN T	1733U MSBP E		*	*	*	*								81
	ACCOUNTING FOR MANAGERIA L DECISIONS	1734U MSA MD	×				*	*							
	STRATEGIC MANAGEMEN T	1735U MSS M	×	*		*		*							
	CORPORATE FINANCE	1736U MSCF							*	*		ý,			
Ш	EQUITY AND DEBT MARKET	1937U MSED M							*	*					
	BASICS OF FINANCIAL SERVICES	1836U MSBF S													
	ICA	1936U MSIC A							*						
	CONSUMER BEHAVIOUR	1738U MSCB										*	3 <b>4</b>	*	*
	PRODUCT INNOVATION S MANAGEMEN T	1739U MSPI M										*		*	
	ACCOUNTING FOR MANAGERIA L DECISIONS	and the state of t										a		*	*
	STRATEGIC MANAGEMEN	1937U MSS M											*****	*	



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Î	T														
14	INFORMATIO N TECHNOLOG Y IN BUSINESS MANAGEMEN T-II	1741U MSIT B	*	*	( <b>W</b> )		*								
	BUSINESS ECONOMICS- II	1742U MSBE	*	*		*									
	BUSINESS RESEARCH METHODS	1743U MSBR M													
	CHANGE MANAGEMEN T	1844U MCM		*	*										
	PRODUCTION & TOTAL QUALITY MANAGEMEN T	1745U MSPQ M				*									
	CORPORATE RESTRUCTUR ING	1746U MSCR S								*	*				
IV	STRATEGIC COST MANAGEMEN T	1747U MSSC M						*			*				
	FIM	1946U MSFI M						*	•		*				
	AU	1946U MSA						7.00	8.						
	INTEGRATED MARKETING COMMUNICA TION	1748U MSIM C										(*)	*	*	*
	EVENT MARKETING	1749U MSE M													*
	RM	1947U MSR M											*	*	à)
	TM	1947U MST M													
v	LOGISTICS AND SUPPLY CHAIN MANAGEMEN T	1851U MSLS													
	ANALYTICAL SKILLS FOR	1952U MSAS				i.									



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MANAGERS	1	1	1		1	Ŧ.	1	1	1	T	E	Ŧ	Ť	f .	1
INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMEN T	1853U MSIA														
COMMODITY AND DERIVATIVES MARKET	1854U MSCD									•	•				
WEALTH MANAGEMEN T	1855U MSW M										948				
DIRECT TAXES	1856U MSDT								5¥	34	3943				
FA	1953U MSFA	Г	Г							94	2863				
RM	1953U MSR M										2002				
SERVICE MARKETING	1857U MSS M														×.
E-COMMERCE AND DIGITAL MARKETING	1858U MSEC														
SALES AND DISTRIBUTIO N MANAGEMEN T	1859U MSSD														
CUSTOMER RELATIONSHI P MANAGEMEN T	19510 UMSC R										62				
IM	1954U MSIM											*			
SMM	1954U MSS MM											•	•		
OPERATION RESEARCH	1861U MSOR			*			•								
RESEARCH BASED PROJECT WORK	1862U MSP W					3.00	•								
INTERNATIO NAL FINANCE	1863U MSIF														
INNOVATIVE FINANCIAL SERVICES	1864U MSIF M														
PROJECT MANAGEMEN	1865U MSP M									*					



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T	1866U	 1	+	-			-			t
INDIRECT TAXES	MSIN T									
SFM	1963U MSSF M					983				
FRD	1963U MSFR D			•	*	#0				
BRAND MANAGEMEN T	1867U MSB M								:Đ	
RETAIL MANAGEMEN T	1862U MSR M									
SPORTS MARKETING	1969U MSS M									
MEDIA PLANNING AND MANAGEMEN T	18610 UMS MPM						*	*	16 <b>4</b> 0	
INTERNATIO NAL MARKETING	1869U MSIM						<b>3</b> €		S(#6)	
MNO	196U MSM NO								•	

Table No. F.2: CO Attainment Level: Bachelor of Management Studies (BMS) Academic Year - 2019-20

Semes ter	Course	Course Code	CO Attainmen t value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
1	BUSINESS COMMUNICATI ON – I	1611UMSB C	2.25	2	Fully Attained	NA
	FOUNDATION COURSE - I	1612UMSFC	2.25	2	Fully Attained	NA
	FOUNDATION OF HUMAN SKILLS	1613UMSHS	2.5	2	Fully Attained	NA
	BUSINESS LAW	1616UMSBL	3	2	Fully Attained	NA
	BUSINESS STATISTICS	1617UMSBS	2.25	2	Fully Attained	NA
= =	INTRODUCTIO N TO FINANCIAL ACCOUNTS	1615UMSFA	2.25	2	Fully Attained	NA
	PRINCIPLES OF MANAGEMENT	1714UMSP M	2.75	2	Fully Attained	NA

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П	BUSINESS COMMUNICATI ON-II	1621UMSB C	3	2	Fully Attained	NA
(4) XX	FOUNDATION COURSE -II (VALUE EDUCATION AND SOFT SKILLS)	1622UMSFC	2.25	2	Fully Attained	NA
	BUSINESS ENVIRONMEN T	1623UMSBE	2.25	2	Fully Attained	NA
	BUSINESS MATHEMATIC S	1627UMSB M	3	2	Fully Attained	NA
	INDUSTRIAL LAW	1626UMSIL	3.25	2	Fully Attained	NA
	PRINCIPLES OF MARKETING	1625UMSP MK	3	2	Fully Attained	NA
-	BUSINESS ECONOMICS - I	1724UMSEC O	3	2	Fully Attained	NA
Ш	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT - I	1731UMSIT	3.25	2	Fully Attained	NA
3	PERSONAL EFFECTIVENES S MANAGEMENT	1832UMPE M	2.25	2	Fully Attained	NA
	BUSINESS PLANNING AND ENTREPRENEU RSHIP MANAGEMENT	1733UMSBP E	3.25	2	Fully Attained	NA
	ACCOUNTING FOR MANAGERIAL DECISIONS	1734UMSA MD	2.25	2	Fully Attained	NA
	STRATEGIC MANAGEMENT	1735UMSS M	2.25	2	Fully Attained	NA
	CORPORATE FINANCE	1736UMSCF	2.5	2	Fully Attained	NA
	EQUITY AND DEBT MARKET	1937UMSE DM	2.25	2	Fully Attained	NA
	BASICS OF FINANCIAL SERVICES	1836UMSBF S	NA	2	NA	NA
-	ICA	1936UMSIC	NA	2	NA	NA



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		A				
	CONSUMER BEHAVIOUR	1738UMSC B	2.5	2	Fully Attained	NA
#	PRODUCT INNOVATIONS MANAGEMENT	1739UMSPI M	2.25	2	Fully Attained	NA
	ACCOUNTING FOR MANAGERIAL DECISIONS	1937UMSA D	NA	2	NA _	NA
ă	STRATEGIC MANAGEMENT	1937UMSS M	NA	2	NA	NA
IV	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT - II	1741UMSIT B	2.25	2	Fully Attained	NA
=	BUSINESS ECONOMICS- II	1742UMSBE	3.25	2	Fully Attained	NA
	BUSINESS RESEARCH METHODS	1743UMSB RM	3.25	2	Fully Attained	NA
	CHANGE MANAGEMENT	1844UMCM	3.25	2	Fully Attained	NA
	PRODUCTION & TOTAL QUALITY MANAGEMENT	1745UMSPQ M	2.25	2	Fully Attained	NA
	CORPORATE RESTRUCTURI NG	1746UMSC RS	3	2	Fully Attained	NA
	STRATEGIC COST MANAGEMENT SCM	1747UMSSC M	2	2	Fully Attained	NA
	FIM	1946UMSFI M	NA	2	NA	NA
	AU	1946UMSA	NA	2	NA	NA
	INTEGRATED MARKETING COMMUNICATI ON	1748UMSIM C	2.25	2	Fully Attained	NA
	EVENT MARKETING	1749UMSE M	2.25	2	Fully Attained	NA
	RM	1947UMSR M	NA	2	NA -	NA
١,	тм	1947UMST M	NA	2	NA	NA
V	LOGISTICS AND SUPPLY	1851UMSLS	3.25	2	Fully Attained	NA



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20	CHAIN					
	MANAGEMENT				Open or apply and an advance of the	897
	ANALYTICAL SKILLS FOR MANAGERS	1952UMSAS	2	2	Fully Attained	NA
	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT	1853UMSIA	1.25	2	Not Attained	Assignment, tutorials, exercises and remedial coaching shall be planned.
	COMMODITY AND DERIVATIVES MARKET	1854UMSC D	3	2	Fully Attained	NA
	WEALTH MANAGEMENT	1855UMSW M	3.25	2	Fully Attained	NA
	DIRECT TAXES	1856UMSD T	2.5	2	Fully Attained	NA
	FA	1953UMSFA	NA	2	NA	NA
100	RM	1953UMSR M	NA	2	NA	NA
	SERVICE MARKETING	1857UMSS M	2.75	2	Fully Attained	NA
	E-COMMERCE AND DIGITAL MARKETING	1858UMSEC	2	2	Fully Attained	NA
-	SALES AND DISTRIBUTION MANAGEMENT	1859UMSSD	2.25	2	Fully Attained	NA
	CUSTOMER RELATIONSHIP MANAGEMENT	19510UMSC R	2.5	2	Fully Attained	NA
	IM	1954UMSIM	NA	2	NA	NA
	SMM	1954UMSS MM	NA	2	NA	NA
VI	OPERATION RESEARCH	1861UMSO R	3.75	2	Fully Attained	NA
	RESEARCH BASED PROJECT WORK	1862UMSP W	2.25	2	Fully Attained	NA
	INTERNATION AL FINANCE	1863UMSIF	3	2	Fully Attained	NA
ti	INNOVATIVE FINANCIAL SERVICES	1864UMSIF M	3	2	Fully Attained	NA
	PROJECT	1865UMSP	2.75	2	Fully Attained	NA

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	MANAGEMENT	M				
	INDIRECT TAXES	1866UMSIN T	3.75	2	Fully Attained	NA
	SFM	1963UMSSF M	NA	2	NA	NA
76	FRD	1963UMSFR D	NA	2	NA	NA
62	BRAND MANAGEMENT	1867UMSB M	3	2	Fully Attained	NA
	RETAIL MANAGEMENT	1862UMSR M	2.25	2	Fully Attained	NA
	SPORTS MARKETING	1969UMSS M	3	2	Fully Attained	NA
ye.	MEDIA PLANNING AND MANAGEMENT	18610UMS MPM	2.75	2	Fully Attained	NA
	INTERNATION AL MARKETING	1869UMSIM	NA	2	NA	NA
	MNO	196UMSMN O	NA	2	NA	NA
		Average	2.65			

NA: Not Applicable as target level is fully attained. Also in some cases course is offered by institution but not opted by students.

Table No.E.2a: PO Attainment Level- Bachelor of Management Studies (BMS)-2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	5	4	Fully Attained	NA
A2019-20	5	4	Fully Attained	NA

#### 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. E.3: Results of CO-PO attainment- Bachelor of Management Studies (BMS)-Academic Year 2019-20

									1	Finance	Electi	ve	N	farketin;	g Electiv	ve
Sem este r	Course	Cours e Code	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	PS O1	PS O2	PS O3	PS O4	PSO 5	PSO 6	PSO 7	PSC 8
	BUSINESS COMMUNICA TION – I	1611 UMS BC	2 2 5	2 . 2 . 5	2. 25			2. 25								
	FOUNDATION COURSE - I	1612 UMS FC	2 2 5	2 2 5												
	FOUNDATION OF HUMAN SKILLS	1613 UMS HS	2		2. 5	2. 5	2. 5									
I	BUSINESS LAW	1616 UMS BL	3		3		3									
	BUSINESS STATISTICS	1617 UMS BS	2 2 5	2 . 2 5			2. 25	2. 25								
	INTRODUCTI ON TO FINANCIAL ACCOUNTS	1615 UMS FA	2 2 5	2 2 5		2. 25		2. 25						4.		
	PRINCIPLES OF MANAGEME NT	1714 UMS PM	2 . 7 . 5	2 7 5	2. 75	2. 75		2. 75								
	BUSINESS COMMUNICA TION-II	1621 UMS BC	3	3	3			3								
п	FOUNDATION COURSE -II (VALUE EDUCATION AND SOFT SKILLS)	1622 UMS FC	2 2 5	2 2 5	2. 25	2. 25										
	BUSINESS ENVIRONME NT	1623 UMS BE	2 . 2 5	2 2 5			2. 25	2. 25								
	BUSINESS MATHEMATI	1627 UMS BM	3	3			3	3								



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	CS															
	INDUSTRIAL LAW	1626 UMSI L	3 2 5		3. 25		3. 25					U				
	PRINCIPLES OF MARKETING	1625 UMS PMK	3	3	3	3	3	3								
	BUSINESS ECONOMICS - I	1724 UMS ECO	3	3			3									
	INFORMATIO N TECHNOLOG Y IN BUSINESS MANAGEME NT – I	1731 UMSI T	3 . 2 5	3 . 2 5	3. 25			3. 25								
	PERSONAL EFFECTIVEN ESS MANAGEME NT	1832 UMP EM	2 2 5		2. 25	2. 25		2. 25								
	BUSINESS PLANNING AND ENTREPRENE URSHIP MANAGEME NT	1733 UMS BPE	3 2 5	3 . 2 5	3. 25	3. 25	3. 25	3. 25								
	ACCOUNTIN G FOR MANAGERIA L DECISIONS	1734 UMS AMD	2 2 5	2 2 5			2. 25	2. 25								
Ш	STRATEGIC MANAGEME NT	1735 UMS SM	2 5	2 2 5		2. 25	2. 25	2. 25								
	CORPORATE FINANCE	1736 UMS CF	5						2.5	2.5	2.5	2.5				
	EQUITY AND DEBT MARKET	1937 UMS EDM							2,2	2.2	2.2 5	2.2				
	BASICS OF FINANCIAL SERVICES	1836 UMS BFS							NA		N A	NA				
	INTRODUCTI ON TO COST ACCOUNTIN G	1936 UMSI CA							NA	N A	N A					
	CONSUMER BEHAVIOUR	1738 UMS CB											2.5	2.5	2.5	2.5

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	PRODUCT INNOVATION S MANAGEME NT	1739 UMS PIM											2.25	2.25	2.25	2.25
2) XI	ACCOUNTIN G FOR MANAGERIA L DECISIONS	1937 UMS AD											NA	NA	NA	NA
	STRATEGIC MANAGEME NT	1937 UMS SM											NA	NA	NA	NA
	INFORMATIO N TECHNOLOG Y IN BUSINESS MANAGEME NT- II	1741 UMSI TB	2 2 5	2 2 5	2. 25			2. 25								
	BUSINESS ECONOMICS- II	1742 UMS BE	3 2 5	3 · 2 5			3. 25	3. 25								
	BUSINESS RESEARCH METHODS	1743 UMS BRM	3 2 5	3 . 2 5	3. 25	3. 25	3. 25	3. 25						×		
	CHANGE MANAGEME NT	1844 UMC M	3 2 5	3 . 2 5	3. 25	3. 25	3. 25									
IV	PRODUCTION & TOTAL QUALITY MANAGEME NT	1745 UMS PQM	2 2 5	2 · 2 5			2. 25									
	CORPORATE RESTRUCTUR ING	1746 UMS CRS							3	3	3	3				
	STRATEGIC COST MANAGEMENT	1747 UMS SCM							2	2	2	2				
	FINANCIAL INSTITUTION S & MARKETS	1946 UMS FIM							NA	NA	NA	NA				
	AUDITING	1946 UMS A							NA	NA	NA	NA				
	INTEGRATED MARKETING COMMUNICA TION	1748 UMSI MC											2.25	2.25	2,25	2.25



	EVENT MARKETING	1749 UMS EM			8 3				Ì			2.25		2.25	2.2
	RURAL MARKETING	1947 UMS RM				G						NA	NA	NA	NA
	TOURISM MARKETING	1947 UMS TM										NA	NA		NA
,	LOGISTICS AND SUPPLY CHAIN MANAGEME NT	1851 UMS LS	3 . 2 5	3 . 2 5	3. 25	3. 25									
	ANALYTICAL SKILLS FOR MANAGERS	1952 UMS AS	2	2		2	2								
	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEME NT	1853 UMSI A						1.2	1.2	1.2	1.2		687		
	COMMODITY AND DERIVATIVE S MARKET	1854 UMS CD						3	3	3	3				
	WEALTH MANAGEME NT	1855 UMS WM						3.2 5	3.2 5	3,2 5	3.2 5				
V	DIRECT TAXES	1856 UMS DT						2.5	2.5	2.5	2.5				
	FINANCIAL ACCOUNTIN G	1953 UMS FA						NA	NA	NA	NA				
	RISK MANAGEME NT	1953 UMS RM						NA	NA		NA				
	SERVICE MARKETING	1857 UMS SM										2.75	2.75	2.75	2.75
	E- COMMERCE AND DIGITAL MARKETING	1858 UMS EC										2	2		2
	SALES AND DISTRIBUTIO N MANAGEME NT	1859 UMS SD										2.25	2.25	2.25	2.25
	CUSTOMER RELATIONSH IP	19510 UMS CR										2.5	2.5	2.5	2.5



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(ALL TOLOROTO)

MALAD (VI), LALL ALL TOLORS

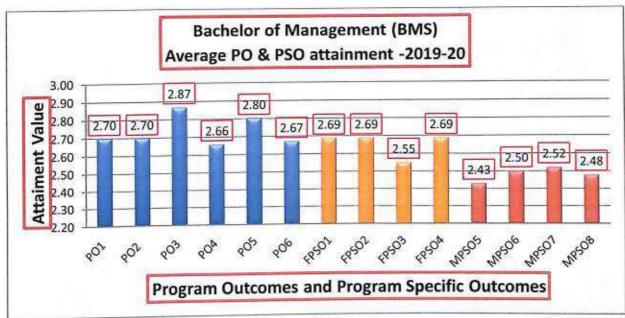
	MANAGEME NT			1		ĺ			1	Î		ĺ	Ĭ	Ì	I	1
98	INDUSTRIAL MARKETING	1954 UMSI M											NA	NA		NA
	STRATEGIC MARKETING MANAGEME NT	1954 UMS SMM											NA	NA	NA	NA
	OPERATION RESEARCH	1861 UMS OR	3 7 5	3 7 5	3. 75		3. 75	3. 75								
	RESEARCH BASED PROJECT WORK	1862 UMS PW	2 2 5	2 2 5	2. 25	2. 25	2. 25	2. 25								
	INTERNATIO NAL FINANCE	1863 UMSI F							3	3	3	3				
	INNOVATIVE FINANCIAL SERVICES	1864 UMSI FM							3	3		3				
	PROJECT MANAGEME NT	1865 UMS PM							2.7 5	2.7 5	2.7 5	2.7 5				
	INDIRECT TAXES	1866 UMSI NT							3.7 5	3.7 5		3.7 5				
VI	STRATEGIC FINANCIAL MANAGEME NT	1963 UMS SFM							NA	NA	NA	NA				
	FINANCING RURAL DEVELOPME NT	1963 UMS FRD							NA		NA	NA				
	BRAND MANAGEME NT	1867 UMS BM											3	3	3	3
	RETAIL MANAGEME NT	1862 UMS RM											2.25	2.25	2.25	2.25
	SPORTS MARKETING	1969 UMS SM												3	3	3
	MEDIA PLANTING AND MANAGEME NT	18610 UMS MPM											2.75	2.75	2.75	2.75
	INTERNATIO	1869											NA		NA	NA



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NAL MARK	17.00	JMSI M														
FOR N PROFI	T N	196U MSM NO												NA	NA	NA
	(23)	Avera	2 7 0	2 7 0	2. 8 7	2. 6 6	2. 8 0	2. 6 7	2.6	2.6 9	2.5	2.6 9	2.43	2.5	2.5	2.4



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 - 2019-20

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
	COMMUNICATION SKILLS	1916UISCS	*			*			*	*		*
	WEB PROGRAMMING I	1914UISWP	*		*	*			*	*		*
	INTRODUCTION TO PROGRAMMING	1911UISIP		*		*		*				*
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS	1912UISFC	*	*	*	*		*				
	OPERATING SYSTEMS	1913UISOS	*	*	*	*			*	*		*
	DISCRETE MATHEMATICS-I	1915UISDM	*	*				*				
I	WEB PROGRAMMING I PRACTICAL	1914UISPR	*		*	*			*	*		*
	INTRODUCTION TO PROGRAMMING PRACTICAL	1911UISPR	*	*		*		*				*
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS PRACTICAL	1912UISPR	*	*	*	ak.		*				
	OPERATING SYSTEMS PRACTICAL	1913UISPR	*	*	*	*			*	*		*
	IT PLATFORMS, TOOLS AND	1926UISTP	*	*		*			*	*		*



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II	PRACTICES										
ġ.	WEB PROGRAMMING II	1924UISWP	*							*	*
	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON	1921UISPP	*	*	*				*	*	*
	OBJECT ORIENTED PROGRAMMING	1922UISOO	*	*		*			*	*	*
	DATABASE MANAGEMENT SYSTEMS I	1923UISDS	*		*	*			*	*	*
	DISCRETE MATHEMATICS II	1925UISDM	*	*				*		*	
	WEB PROGRAMMING II PRACTICAL	1924UISPR	*							*	
	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON PRACTICAL	1921UISPR	*	*	*				*	*	*
	OBJECT ORIENTED PROGRAMMING PRACTICAL	1922UISPR		*		*			*	*	*
	DATABASE MANAGEMENT SYSTEMS I PRACTICAL	1923UISPR	*		*	*			*	*	*
	THEORY OF COMPUTATION	1731UCSTC	*	*	*	*	*	*	*	*	
	CORE JAVA	1732UCSCJ	*	*	*	*			*	*	*
	OPERATING SYSTEM	1733UCSOS	*	*	*	*			*	*	*
	DATABASE MANAGEMENT SYSTEM	1734UCSD B	*	*	*	*				*	
	COMBINATORICS AND GRAPH THEORY	1735UCSC G	*	*	*	*		*	*	*	**
ш	PHYSICAL COMPUTING PROGRAMMING AND IOT	1736UCSPC	*	*	*	*				*	*
	WEB PROGRAMMING	1737UCSW P	*	*	*				*	*	*
	CORE JAVA PRACTICAL	1732UCSPR	*	*	*	*			*	*	*
	OPERATING	1733UCSPR	*	*	*	*			*	*	*

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	SYSTEM PRACTICAL											
	DATABASE MANAGEMENT SYSTEM PRACTICAL	1734UCSPR	*	*	*	*				*		
	COMBINATORICS AND GRAPH THEORY PRACTICAL	1735UCSPR	*	*	*	*		*	*	*		9
	PHYSICAL COMPUTING PROGRAMMING AND IOT PRACTICAL	1736UCSPR	*	*	*	*		/4		*		
	WEB PROGRAMMING PRACTICAL	1737UCSPR	*	*	*				*	*		я
	FUNDAMENTALS		-									$\vdash$
	OF ALGORITHM	1741UCSFA	*	*	*	*		*	*	*	*	*
	ADVANCED JAVA	1742UCSAJ	*	*	*	*				*		*
	COMPUTER NETWORKS	1743UCSC N	*	*	*	*			*	*	*	
	SOFTWARE ENGINEERING	1744UCSSE	*	*	*	*			*	*	*	-
	LINEAR ALGEBRA USING PYTHON	1745UCSLA	*	*			*	*		*		
	.NET TECHNOLOGIES	1746UCSNT	*	*	*							- 30
	ANDROID DEVELOPER FUNDAMENTALS	1747UCSA D	*	*	*	*			*	*		-
IV	FUNDAMENTALS OF ALGORITHM PRACTICAL	1741UCSPR	*	*	*	*		*	*	*	*	,
14	ADVANCED JAVA PRACTICAL	1742UCSPR	*	*	*					*		
	COMPUTER NETWORKS PRACTICAL	1743UCSPR	*	*	*	*			*	*	*	
	LINEAR ALGEBRA USING PYTHON PRACTICAL	1745UCSPR	*	*			*	*				
	NET TECHNOLOGIES PRACTICAL	1746UCSPR	*	*	*							
	ANDROID DEVELOPER FUNDAMENTALS PRACTICAL	1747UCSPR	*	*	*	*			*	*		1
	GAME PROGRAMMING	1857UCSGP	*	*	*	*	*	*		*		1



1	INTELLIGENCE	1851UCSAI	*	*	*	*	*	*	*	*	1	
	LINUX SERVER ADMINISTRATION	1852UCSLA	*	*	*				*	*		$\top$
	SOFTWARE TESTING AND QUALITY ASSURANCE	1853UCSST	*	*	*	*	(*)	*	*	*		
	INFORMATION AND NETWORK SECURITY	1854UCSNS	*		*	*				*	*	
	WIRELESS SENSOR NETWORKS AND MOBILE COMMUNICATION	1855UCSW N	*	*	*					*		
	WEB SERVICES	1856UCSW S	*	*	*	*			*	*	*	
	GAME PROGRAMMING PRACTICAL	1857UCSPR	*	*	*	*	*	*		*		
	PROJECT IMPLEMENTATIO N	1858UCSPR	*	*	*	*	*	*	*	*	*	
	ARTIFICIAL INTELLIGENCE PRACTICAL	1851UCSPR	*	*	*	*	*	*	*	*		
	LINUX SERVER ADMINISTRATION PRACTICAL	1852UCSPR	*	*	*				*	*		
	SOFTWARE TESTING AND QUALITY ASSURANCE PRACTICAL	1853UCSPR	*	*	*	*	*	*	*	*		
	INFORMATION AND NETWORK SECURITY PRACTICAL	1854UCSPR	*	*	*	*				*	*	*
	WIRELESS SENSOR NETWORKS AND MOBILE COMMUNICATION PRACTICAL	1855UCSPR	*	*	*					*	100.0	*
	WEB SERVICES PRACTICAL	1856UCSPR	*	*	*	*			*	*	*	*
	ETHICAL HACKING	1867UCSEH	*	*	*	*			*	*	*	*
	ARCHITECTING OF IOT	1861UCSIT	*	*	*	*			*	*		*
	CLOUD COMPUTING	1862UCSCC	*	*	*	*			*	*	*	*
	CYBER	1863UCSCF	*	*	*	*	*	*	*	*	*	*

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FORENSICS				1	ľ	1	Î	Î	1	1-	Î
INFORMATION RETRIEVAL	1864UCSIR	*	*	*				*	*	2	*
DIGITAL IMAGE PROCESSING	1865UCSDP	*	*	*	*	*	*	*	*		*
DATA SCIENCE	1866UCSDS	*	*	*	*	*	*	*	*	*	*
ETHICAL HACKING PRACTICAL	1867UCSPR	*	*	*	*	111.00		*	*	*	*
PROJECT IMPLEMENTATIO N	1868UCSPR	*	*	*	*	*	*	*	*	*	*
ARCHITECTING OF IOT PRACTICAL	1861UCSPR	*	*	*	*			*	*		*
CLOUD COMPUTING PRACTICAL	1862UCSPR	*	*	*	*			*	*	*	*
CYBER FORENSICS PRACTICAL	1863UCSPR	*	*	*	*	*	*	*	*	*	*
INFORMATION RETRIEVAL PRACTICAL	1864UCSPR	*	*	*				*	*		*
DIGITAL IMAGE PROCESSING PRACTICAL	1865UCSPR	*	*	*	*	*	*	141	*		*
DATA SCIENCE PRACTICAL	1866UCSPR	*	*	*	*	*	*	*	*	*	*

Table No. G.2: CO Attainment Level: Bachelor of Science- B. Sc. (Computer Science) Academic Year - 2019-20

Sem	Course	Course Code	CO Attainment value	Attainmen t Target Level	Fully Attained/ Not Attained	Remedial Measures
F	COMMUNICA TION SKILLS	1916UISCS	3.25	2	Fully Attained	NA
	WEB PROGRAMMI NG I	1914UISWP	2.5	2	Fully Attained	NA
I	INTRODUCTI ON TO PROGRAMMI NG	1911UISIP	2.25	2	Fully Attained	NA
	FUNDAMENT ALS OF COMPUTERS AND ELECTRONIC S	1912UISFC	2.25	2	Fully Attained	NA



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OPERATING SYSTEMS	1913UISOS	3.25	2	Fully Attained	NA
DISCRETE MATHEMATI CS-I	1915UISD M	2	2	Fully Attained	NA
WEB PROGRAMMI NG I PRACTICAL	1914UISPR	2	2	Fully Attained	NA
INTRODUCTI ON TO PROGRAMMI NG PRACTICAL	1911UISPR	3	2	Fully Attained	NA
FUNDAMENT ALS OF COMPUTERS AND ELECTRONIC S PRACTICAL	1912UISPR	2	2	Fully Attained	NA
OPERATING SYSTEMS PRACTICAL	1913UISPR	3	2	Fully Attained	NA
IT PLATFORMS, TOOLS AND PRACTICES	1926UISTP	3.25	2	Fully Attained	NA
WEB PROGRAMMI NG II	1924UISWP	2	2	Fully Attained	NA
PROGRAMMI NG AND APPLICATION DEVELOPME NT IN PYTHON	1921UISPP	2	2	Fully Attained	NA
OBJECT ORIENTED PROGRAMMI NG	1922UISOO	2.5	2	Fully Attained	NA
DATABASE MANAGEMEN T SYSTEMS I	1923UISDS	2.25	2	Fully Attained	NA
DISCRETE MATHEMATI CS II	1925UISD M	2.25	2	Fully Attained	NA
WEB PROGRAMMI NG II PRACTICAL	1924UISPR	2	2	Fully Attained	NA
PROGRAMMI NG AND APPLICATION	1921UISPR	2	2	Fully Attained	NA



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	DEVELOPME NT IN PYTHON PRACTICAL					
	OBJECT ORIENTED PROGRAMMI NG PRACTICAL	1922UISPR	2	2	Fully Attained	NA
	DATABASE MANAGEMEN T SYSTEMS I PRACTICAL	1923UISPR	2	2	Fully Attained	NA
	THEORY OF COMPUTATIO N	1731UCST C	1,5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	CORE JAVA	1732UCSCJ	2.5	2	Fully Attained	NA
	OPERATING SYSTEM	1733UCSO S	2.25	2	Fully Attained	NA
	DATABASE MANAGEMEN T SYSTEM	1734UCSD B	1.25	2	Not Attained	Assignments, tutorials,
ш	COMBINATO RICS AND GRAPH THEORY	1735UCSC G	1.25	2	Not Attained	exercises and remedial coaching shall be planned.
	PHYSICAL COMPUTING PROGRAMMI NG AND IOT	1736UCSPC	2.25	2	Fully Attained	NA
	WEB PROGRAMMI NG	1737UCSW P	2.25	2	Fully Attained	NA
	CORE JAVA PRACTICAL	1732UCSPR	3	2	Fully Attained	NA
	OPERATING SYSTEM PRACTICAL	1733UCSPR	1	2	Not Attained	Remedial coaching with exercises shall be planned.
	DATABASE MANAGEMEN T SYSTEM PRACTICAL	1734UCSPR	2	2	Fully Attained	NA



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	COMBINATO RICS AND GRAPH THEORY PRACTICAL	1735UCSPR	2	2	Fully Attained	NA
	PHYSICAL COMPUTING PROGRAMMI NG AND IOT PRACTICAL	1736UCSPR	3	2	Fully Attained	NA
	WEB PROGRAMMI NG PRACTICAL	1737UCSPR	1	2	Not Attained	Remedial coaching with exercises shall be planned.
	FUNDAMENT ALS OF ALGORITHM	1741UCSF A	2	2	Fully Attained	NA
	ADVANCED JAVA	1742UCSAJ	2.25	2	Fully Attained	NA
	COMPUTER NETWORKS	1743UCSC N	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	SOFTWARE ENGINEERIN G	1744UCSSE	2.25	2	Fully Attained	NA
IV	LINEAR ALGEBRA USING PYTHON	1745UCSL A	2	2	Fully Attained	NA
11.00	.NET TECHNOLOGI ES	1746UCSN T	2.25	2	Fully Attained	NA
	ANDROID DEVELOPER FUNDAMENT ALS	1747UCSA D	2.5	2	Fully Attained	NA
	FUNDAMENT ALS OF ALGORITHM PRACTICAL	1741UCSPR	1	2	Not Attained	Remedial coaching with
	ADVANCED JAVA PRACTICAL	1742UCSPR	1	2	Not Attained	exercises shall be planned.
	COMPUTER NETWORKS PRACTICAL	1743UCSPR	2	2	Fully Attained	NA
	LINEAR ALGEBRA	1745UCSPR	2	2	Fully Attained	NA

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	USING PYTHON PRACTICAL			0.	1 =	
	.NET TECHNOLOGI ES PRACTICAL	1746UCSPR	2	2	Fully Attained	NA
	ANDROID DEVELOPER FUNDAMENT ALS PRACTICAL	1747UCSPR	2	2	Fully Attained	NA
	GAME PROGRAMMI NG	1857UCSG P	2.5	2	Fully Attained	NA
	ARTIFICIAL INTELLIGENC E	1851UCSAI	2.5	2	Fully Attained	NA
	LINUX SERVER ADMINISTRA TION	1852UCSL A	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	SOFTWARE TESTING AND QUALITY ASSURANCE	1853UCSST	NA	2	NA	NA
v	INFORMATIO N AND NETWORK SECURITY	1854UCSN S	2.75	2	Fully Attained	NA
	WIRELESS SENSOR NETWORKS AND MOBILE COMMUNICA TION	1855UCSW N	1.75	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	WEB SERVICES	1856UCSW S	NA	2	NA	
	GAME PROGRAMMI NG PRACTICAL	1857UCSPR	Î	2	Not Attained	Remedial coaching with exercises shall be planned.
	PROJECT IMPLEMENTA TION	1858UCSPR	2	2	Fully Attained	
	ARTIFICIAL INTELLIGENC	1851UCSPR	1	2	Not	Remedial



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	E PRACTICAL				Attained	coaching with
	LINUX SERVER ADMINISTRA TION PRACTICAL	1852UCSPR	1	2	Not Attained	exercises shall be planned.
	SOFTWARE TESTING AND QUALITY ASSURANCE PRACTICAL	1853UCSPR	NA	2	NA	NA
	INFORMATIO N AND NETWORK SECURITY PRACTICAL	1854UCSPR	ī	2	Not Attained	Remedial coaching with exercises shall be planned.
	WIRELESS SENSOR NETWORKS AND MOBILE COMMUNICA TION PRACTICAL	1855UCSPR	2	2	Fully Attained	NA
	WEB SERVICES PRACTICAL	1856UCSPR	NA	2	NA	NA
	ETHICAL HACKING	1867UCSE H	2.75	2	Fully Attained	NA
	ARCHITECTIN G OF IOT	1861UCSIT	NA	2	NA	NA
	CLOUD COMPUTING	1862UCSC C	2.25	2	Fully Attained	NA
VI	CYBER FORENSICS	1863UCSCF	1.5	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	INFORMATIO N RETRIEVAL	1864UCSIR	NA	2	NA	NA
	DIGITAL IMAGE PROCESSING	1865UCSD P	2.25	2	Fully Attained	NA
	DATA SCIENCE	1866UCSD S	2.5	2	Fully Attained	NA
	ETHICAL HACKING PRACTICAL	1867UCSPR	2	2	Fully Attained	NA
	PROJECT IMPLEMENTA	1868UCSPR	3	2	Fully Attained	NA



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	Average	2.10			
DATA SCIENCE PRACTICAL	1866UCSPR	1	2	Not Attained	Remedial coaching with exercises shall be planned.
DIGITAL IMAGE PROCESSING PRACTICAL	1865UCSPR	3	2	Fully Attained	NA
INFORMATIO N RETRIEVAL PRACTICAL	1864UCSPR	NA	2	NA	NA
CYBER FORENSICS PRACTICAL	1863UCSPR	2	2	Fully Attained	NA
CLOUD COMPUTING PRACTICAL	1862UCSPR	3	2	Fully Attained	NA
ARCHITECTIN G OF IOT PRACTICAL	1861UCSPR	NA	2	NA	NA
TION	l ×				

NA: Not Applicable as target level is fully attained. Also some Courses are offered by institute but not opted by students.

Table No.G.2a: PO Attainment Level- B. Sc. (Computer Science)- 2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	4	4	Fully Attained	NA
A2019-20	4	4	Fully Attained	NA

#### 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 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 2019-20

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Sem ester	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0
	COMMUNICATIO N SKILLS	1916UIS CS	3.2 5			3.2			3.2	3.2		3.25
	WEB PROGRAMMING I	1914UIS WP	2.5		2.5	2.5			2.5	2.5		2.5
	INTRODUCTION TO PROGRAMMING	1911UISI P	2.2 5	2.2		2.2		2.2				2.25
	FUNDAMENTAL S OF COMPUTERS AND ELECTRONICS	1912UISF C	2.2	2.2	2.2	2.2		2.2				
	OPERATING SYSTEMS	1913UIS OS	3.2 5	3.2 5	3.2 5	3.2 5			3.2 5	3.2 5		3.25
	DISCRETE MATHEMATICS-I	1915UIS DM	2	2				2				
	WEB PROGRAMMING I PRACTICAL	1914UISP R	2		2	2			2	2		2
	INTRODUCTION TO PROGRAMMING PRACTICAL	1911UISP R	3	3		3		3				3
	FUNDAMENTAL S OF COMPUTERS AND ELECTRONICS PRACTICAL	1912UISP R	2	2	2	2		2				
1_	OPERATING SYSTEMS PRACTICAL	1913UISP R	3	3	3	3			3	3		3
	IT PLATFORMS, TOOLS AND PRACTICES	1926UIS TP	3.2	3.2		3.2			3.2	3.2		3.25
	WEB PROGRAMMING II	1924UIS WP	2							2		2
п	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON	1921UISP P	2	2	2				2	2		2
	OBJECT ORIENTED PROGRAMMING	1922UIS OO	2.5	2.5		2.5			2.5	2.5		2.5
	DATABASE MANAGEMENT SYSTEMS I	1923UIS DS	2.2		2.2	2.2			2.2	2.2		2.25



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	DISCRETE MATHEMATICS II	1925UIS DM	2.2	2.2	a	8		2.2		2.2	
	WEB PROGRAMMING II PRACTICAL	1924UISP R	2							2	2
	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON PRACTICAL OBJECT	1921UISP R	2	2	2				2	2	2
	ORIENTED PROGRAMMING PRACTICAL	1922UISP R	2	2		2			2	2	2
	DATABASE MANAGEMENT SYSTEMS I PRACTICAL	1923UISP R	2		2	2			2	2	2
	THEORY OF COMPUTATION	1731UCS TC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	CORE JAVA	1732UCS CJ	2.5	2.5	2.5	2.5			2.5	2.5	2.5
	OPERATING SYSTEM	1733UCS OS	2.2 5	2.2 5	2.2	2.2 5			2.2	2.2	2.25
	DATABASE MANAGEMENT SYSTEM	1734UCS DB	1.2 5	1.2 5	1.2 5	1.2 5				1.2	1.25
	COMBINATORIC S AND GRAPH THEORY	1735UCS CG	1.2	1.2	1.2 5	1.2		1.2 5	1.2	1.2	1.25
	PHYSICAL COMPUTING PROGRAMMING AND IOT	1736UCS PC	2.2 5	2.2	2.2	2.2				2.2	2.25
Ш	WEB PROGRAMMING	1737UCS WP	2.2 5	2.2 5	2.2				2.2 5	2.2	2.25
	CORE JAVA PRACTICAL	1732UCS PR	3	3	3	3			3	3	3
	OPERATING SYSTEM PRACTICAL	1733UCS PR	1	1_	1	1			1	1	1
	DATABASE MANAGEMENT SYSTEM PRACTICAL	1734UCS PR	2	2	2	2				2	2
	COMBINATORIC S AND GRAPH THEORY PRACTICAL	1735UCS PR	2	2	2	2		2	2	2	2
	PHYSICAL COMPUTING	1736UCS PR	3	3	3	3				3	3



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	PROGRAMMING AND IOT PRACTICAL											
	WEB PROGRAMMING PRACTICAL	1737UCS PR	i	1	1				1	1		1
	FUNDAMENTAL S OF ALGORITHM	1741UCS FA	2	2	2	2		2	2	2	2	2
	ADVANCED JAVA	1742UCS AJ	2.2	2.2	2.2	2.2				2.2		2.25
	COMPUTER NETWORKS	1743UCS CN	1.7	1.7	1.7	1.7			1.7 5	1.7	1.7 5	1.75
	SOFTWARE ENGINEERING	1744UCS SE	2.2	2.2	2.2	2.2	-		2.2	2.2	2.2	2.25
	LINEAR ALGEBRA USING PYTHON	1745UCS LA	2	2			2	2		2		
	.NET TECHNOLOGIES	1746UCS NT	2.2	2.2	2.2	7						2.25
	ANDROID DEVELOPER FUNDAMENTAL S	1747UCS AD	2.2	2.2	2.2	2.2			2.2	2.2		2.25
IV	FUNDAMENTAL S OF ALGORITHM PRACTICAL	1741UCS PR	1	ī	1	1		1	1	1	1	1
	ADVANCED JAVA PRACTICAL	1742UCS PR	1	Ī	1	1				1		ī
	COMPUTER NETWORKS PRACTICAL	1743UCS PR	2	2	2	2			2	2	2	2
	LINEAR ALGEBRA USING PYTHON PRACTICAL	1745UCS PR	2	2			2	2		2		
	.NET TECHNOLOGIES PRACTICAL	1746UCS PR	2	2	2							2
	ANDROID DEVELOPER FUNDAMENTAL S PRACTICAL	1747UCS PR	2	2	2	2			2	2		2
	GAME PROGRAMMING	1857UCS GP	2.5	2.5	2.5	2.5	2.5	2.5		2.5		2.5
v	ARTIFICIAL INTELLIGENCE	1851UCS AI	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		2.5
	LINUX SERVER ADMINISTRATIO	1852UCS LA	1.7	1.7	1.7				1.7	1.7		



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N SOFTWARE			-	_	_	_	-		-		1
TESTING AND QUALITY ASSURANCE	1853UCS ST	NA	NA	NA	NA	NA	NA	NA	NA		NA
INFORMATION AND NETWORK SECURITY	1854UCS NS	2.7 5	2.7 5	2.7 5	2.7 5				2.7 5	2.7 5	2.75
WIRELESS SENSOR NETWORKS AND MOBILE COMMUNICATIO N	1855UCS WN	1.7 5	1.7	1.7 5					1.7		1.75
WEB SERVICES	1856UCS WS	NA	NA	NA	NA			NA	NA	NA	NA
GAME PROGRAMMING PRACTICAL	1857UCS PR	1_	1	1	1	1	1		1		1
PROJECT IMPLEMENTATI ON	1858UCS PR	2	2	2	2	2	2	2	2	2	2
ARTIFICIAL INTELLIGENCE PRACTICAL	1851UCS PR	1	1	1	1	1	1	1	1		1
LINUX SERVER ADMINISTRATIO N PRACTICAL	1852UCS PR	1	1	1				1	1		
SOFTWARE TESTING AND QUALITY ASSURANCE PRACTICAL	1853UCS PR	NA	NA	NA	NA	NA	NA	NA	NA		N/
INFORMATION AND NETWORK SECURITY PRACTICAL	1854UCS PR	1	1	1	1				1	1	1
WIRELESS SENSOR NETWORKS AND MOBILE COMMUNICATIO N PRACTICAL	1855UCS PR	2	2	2					2		2
WEB SERVICES PRACTICAL	1856UCS PR	NA	NA	NA	NA			NA	NA	NA	NA
ETHICAL HACKING	1867UCS EH	2.7	2.7	2.7	2.7			2.7	2.7	2.7	2.7
ARCHITECTING OF IOT	1861UCS IT	NA	NA	NA	NA			NA	NA	2.2	N/
CLOUD COMPUTING	1862UCS CC	2.2 5	2.2	2.2	2.2 5			2.2	2.2	2.2 5	2,2
CYBER FORENSICS	1863UCS CF	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



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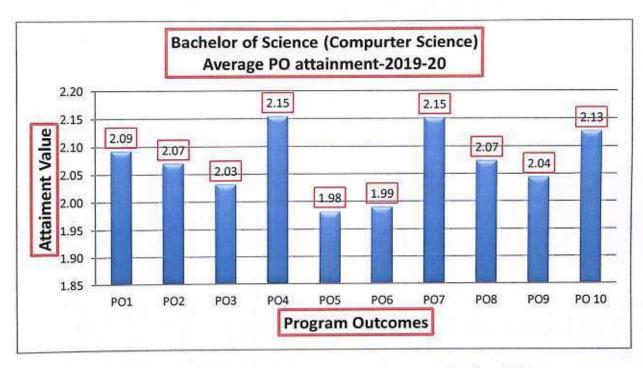
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INFORMATION RETRIEVAL	1864UCS IR	NA	NA	NA				NA	NA		NA
DIGITAL IMAGE PROCESSING	1865UCS DP	2.2	2.2	2.2	2.2	2.2	2.2 5	2.2	2.2		2.25
DATA SCIENCE	1866UCS DS	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
ETHICAL HACKING PRACTICAL	1867UCS PR	2	2	2	2			2	2	2	2
PROJECT IMPLEMENTATI ON	1868UCS PR	3	3	3	3	3	3	3	3	3	3
ARCHITECTING OF IOT PRACTICAL	1861UCS PR	NA	NA	NA	NA			NA	NA		NA
CLOUD COMPUTING PRACTICAL	1862UCS PR	3	3	3	3			3	3	3	3
CYBER FORENSICS PRACTICAL	1863UCS PR	2	2	2	2	2	2	2	2	2	2
INFORMATION RETRIEVAL PRACTICAL	1864UCS PR	NA	NA	NA				NA	NA		NA
DIGITAL IMAGE PROCESSING PRACTICAL	1865UCS PR	3	3	3	3	3	3	3	3		3
DATA SCIENCE PRACTICAL	1866UCS PR	1	1	1	1	1	1	1	1	1	1
AND	Average	2.0	2.0 7	2.0	2.1	1.9	1.9	2,1	2.0	2.0	2.13

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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. It means, PO attainment by corresponding courses is very good level (value between 2.0 and 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 - 2019-20

Semest er	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	<b>PO</b> 7	PO 8	PO 9	PO1 0
	COMMUNICATI ON SKILLS	1916UISC S				*				*	*	*
	WEB PROGRAMMIN G I	1914UISW P	*		*	*	*		*	*	*	*
1	INTRODUCTIO N TO PROGRAMMIN G	1911UISIP	*			*		*				*
	FUNDAMENTA LS OF COMPUTERS AND ELECTRONICS	1912UISF C	*	*	(#i)			*				



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	OPERATING SYSTEMS	1913UISO S	*	*		*	1	1	*		Ì	
	DISCRETE MATHEMATICS -I	1915UISD M		*								
	WEB PROGRAMMIN G I PRACTICAL	1914UISP R	*		*		*					
	INTRODUCTIO N TO PROGRAMMIN G PRACTICAL	1911UISP R	*								*	
	FUNDAMENTA LS OF COMPUTERS AND ELECTRONICS PRACTICAL OPERATING	1912UISP R	*	*	*	*		*				
	SYSTEMS PRACTICAL	1913UISP R	*	*		*			*	*		*
	IT PLATFORMS, TOOLS AND PRACTICES	1926UIST P	*	*		*	*		*	*	*	*
	WEB PROGRAMMIN G II	1924UISW P	*							*	*	
	PROGRAMMIN G AND APPLICATION DEVELOPMEN T IN PYTHON	1921UISP P		*	*			*			*	*
	OBJECT ORIENTED PROGRAMMIN G	1922UISO O		*		*						*
п	DATABASE MANAGEMENT SYSTEMS I	1923UISD S	.*		*	*						
	DISCRETE MATHEMATICS II	1925UISD M	*	*				*		*		
	WEB PROGRAMMIN G II PRACTICAL	1924UISP R	*				*	*		*	*	*
		1921UISP R	*	*	*		*	*	*	*	*	*
	OBJECT ORIENTED	1922UISP R		*		*			*	*		

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	ANIMATION CORE JAVA	G 1741UITP	*	*	*	*	*	*	*	*		
	COMPUTER GRAPHICS AND	1745UITC						0.20				100
	SOFTWARE ENGINEERING	1744UITS E		*	*	*	*	*		*		*
IV	COMPUTER ORIENTED STATISTICAL TECHNIQUES	1743UITS T	*	*		*	*	*				*
	INTRODUCTIO N TO EMBEDDED SYSTEMS	1742UITE S	*	*	*	*						
	CORE JAVA	1741UITC J	*		*	*	C			*	*	*
	MOBILE PROGRAMMIN G PRACTICAL	1735UITP R	*	*	*	*	*	*	*			*
	DATABASE MANAGEMENT SYSTEMS PRACTICAL	1734UITP R	2 <b>*</b> 3	*	*	*	*					*
	COMPUTER NETWORKS PRACTICAL	1733UITP R	*	*	*	*			*	*		
	DATA STRUCTURES PRACTICAL	1732UITP R		*	*	*			*	*	*	*
Ш	PYTHON PROGRAMMIN G PRACTICAL	1731UITP R	*	*	*	*			*		*	*
	APPLIED MATHEMATICS	1735UITA M	*				*					*
	DATABASE MANAGEMENT SYSTEMS	1734UITD M		*		*						*
	COMPUTER NETWORKS	1733UITC N	*		*	*				*		
	DATA STRUCTURES	1732UITD S	*	*	*	*				*		*
	PYTHON PROGRAMMIN G	1731UITP	*							*		
	DATABASE MANAGEMENT SYSTEMS I PRACTICAL	1923UISP R	*		*	*			*			
	PROGRAMMIN G PRACTICAL	f .	1		1	1	1	1			1	1

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	PRACTICAL	R										
	INTRODUCTIO N TO EMBEDDED SYSTEMS PRACTICAL	1742UITP R	*	*	*	*						
	COMPUTER ORIENTED STATISTICAL TECHNIQUES PRACTICAL	1743UITP R	*	*	*	*	*	*		*		
	SOFTWARE ENGINEERING PRACTICAL	1744UITP R	*	*		*	*	*	*	*	*	*
	COMPUTER GRAPHICS AND ANIMATION PRACTICAL	1745UITP R	*				*	*	*	*		*
	SOFTWARE PROJECT MANAGEMENT	1851UITP M	*	*	*	*				*	*	*
	INTERNET OF THINGS	1852UITIT	*	*		*		*	*	*	70	
	ADVANCED WEB PROGRAMMIN	1853UITW P	*		*					*	*	
	ARTIFICIAL INTELLIGENCE	1854UITA I	*	*	*	*	*	*	*	*		*
	LINUX SYSTEM ADMINISTRATI ON	1855UITL A	*	*	*	*				*		*
	ENTERPRISE JAVA	1856UITEJ	*	*	*	*			*	*		*
V	NEXT GENERATION TECHNOLOGIE S	1857UITN G	*		*				*	*		
	PROJECT DISSERTATION	1851UITP R	*		*	*	*	*	*	*	*	*
	INTERNET OF THINGS PRACTICAL	1852UITP R	*	*	*	*		*	*	*		*
	ADVANCED WEB PROGRAMMIN G PRACTICAL	1853UITP R	*		*					*	*	*
	ARTIFICIAL INTELLIGENCE PRACTICAL	1854UITP R	*		*	*		*	*	*		
	LINUX SYSTEM ADMINISTRATI ON PRACTICAL	1855UITP R	*	*	*	*				*		*



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	ENTERPRISE JAVA PRACTICAL	1856UITP R	*	*	*					*		
	NEXT GENERATION TECHNOLOGIE S PRACTICAL	1857UITP R	*	*	*				*	*		
	SOFTWARE QUALITY ASSURANCE	1861UITS Q	*		*	*	*	*		*		*
	SECURITY IN COMPUTING	1862UITS C	*	*	*	*	*			*		*
	BUSINESS INTELLIGENCE	1863UITBI	*	*	*					*		
	PRINCIPLES OF GEOGRAPHIC INFORMATION SYSTEMS	1864UITG I	*	*						*		*
	ENTERPRISE NETWORKING	1865UITE N	*	*		*	*	*		*		*
ΥI	IT SERVICE MANAGEMENT	1866UITIS	*			*			*	*	*	*
	CYBER LAWS	1867UITC L		*	*	*				*	*	*
	PROJECT IMPLEMENTAT ION	1861UITP R	*	*				*	*	*	*	*
	SECURITY IN COMPUTING PRACTICAL	1862UITP R	*	*		*	*					*
	BUSINESS INTELLIGENCE PRACTICAL	1863UITP R	*	*		*	*			*		*
	PRINCIPLES OF GEOGRAPHIC INFORMATION SYSTEMS PRACTICAL	1864UITP R	*	*	S#16					*		*
	ENTERPRISE NETWORKING PRACTICAL	1865UITP R	*	*	*	*		*		*		*
	ADVANCED MOBILE PROGRAMMIN G PRACTICAL	1866UITP R	*	. #	*	*				*	*	*

# Table No. H.2: CO Attainment Level: Bachelor of Science- B. Sc. (Information Technology) Academic Year - 2019-20

Sem ester	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
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Ι	COMMUNICATIO N SKILLS	1916UISCS	3.25	2	Fully Attained	NA
	WEB PROGRAMMING I	1914UISWP	1.25	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	INTRODUCTION TO PROGRAMMING	1911UISIP	3	2	Fully Attained	NA
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS	1912UISFC	2.25	2	Fully Attained	NA
	OPERATING SYSTEMS	1913UISOS	1.5	2	Not Attained	Assignmen ts, tutorials, exercises and remedial coaching shall be planned.
	DISCRETE MATHEMATICS-I	1915UISDM	1.25	2	Not Attained	Assignmen ts, tutorials, exercises and remedial coaching shall be planned.
	WEB PROGRAMMING I PRACTICAL	1914UISPR	2	2	Fully Attained	NA
	INTRODUCTION TO PROGRAMMING PRACTICAL	1911UISPR	2	2	Fully Attained	NA
	FUNDAMENTALS OF COMPUTERS AND ELECTRONICS PRACTICAL	1912UISPR	3	2	Fully Attained	NA
	OPERATING SYSTEMS PRACTICAL	1913UISPR	3	2	Fully Attained	NA
II	IT PLATFORMS,	1926UISTP	3.25	2	Fully	NA



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TOOLS AND PRACTICES				Attained	
WEB PROGRAMMI II	1924UISWP	1.25	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
PROGRAMMI AND APPLICATION DEVELOPME IN PYTHON		2	2	Fully Attained	NA
OBJECT ORIENTED PROGRAMMI	NG 1922UISOO	1.25	2	Not Attained	Assignmen ts, tutorials, exercises and remedial coaching shall be planned.
DATABASE MANAGEMEN SYSTEMS I	IT 1923UISDS	2.25	2	Fully Attained	NA
DISCRETE MATHEMATIO	CS II 1925UISDM	1.5	2	Not Attained	Assignmen ts, tutorials, exercises and remedial coaching shall be planned.
PROGRAMMII II PRACTICAL		2	2	Fully Attained	NA
PROGRAMMII AND APPLICATION DEVELOPMEN IN PYTHON PRACTICAL	I I	2	2	Fully Attained	NA
OBJECT ORIENTED PROGRAMMIN PRACTICAL	NG 1922UISPR	2	2	Fully Attained	NA
DATABASE MANAGEMEN SYSTEMS I PRACTICAL		2	2	Fully Attained	NA



Ш	PYTHON PROGRAMMING	1731UITPP	3	2	Fully Attained	NA
	DATA STRUCTURES	1732UITDS	2	2	Fully Attained	NA
	COMPUTER NETWORKS	1733UITCN	2	2	Fully Attained	NA
	DATABASE MANAGEMENT SYSTEMS	1734UITDM	2.75	2	Fully Attained	NA
	APPLIED MATHEMATICS	1735UITAM	2.25	2	Fully Attained	NA
	PYTHON PROGRAMMING PRACTICAL		1	2	Not Attained	Remedial coaching with exercises shall be planned.
	DATA STRUCTURES PRACTICAL	1731UITPR	1	2	Not Attained	Remedial coaching with exercises shall be planned.
	COMPUTER NETWORKS PRACTICAL	1733UITPR	2	2	Fully Attained	NA
	DATABASE MANAGEMENT SYSTEMS PRACTICAL	1734UITPR	2	2	Fully Attained	NA
	MOBILE PROGRAMMING PRACTICAL	1735UITPR	2	2	Fully Attained	NA
IV	CORE JAVA	1741UITCJ	2.25	2	Fully Attained	NA
	INTRODUCTION TO EMBEDDED SYSTEMS	1742UITES	2.25	2	Fully Attained	NA
	COMPUTER ORIENTED STATISTICAL TECHNIQUES	1743UITST	2	2	Fully Attained	NA
	SOFTWARE ENGINEERING	1744UITSE	2.25	2	Fully Attained	NA
	COMPUTER GRAPHICS AND ANIMATION	1745UITCG	2	2	Fully Attained	NA
	CORE JAVA	1741UITPR	1	2	Not Attained	Remedia



	PRACTICAL					coaching with exercises shall be planned.
	INTRODUCTION TO EMBEDDED SYSTEMS PRACTICAL	1742UITPR	0	2	Not Attained	Remedial coaching with exercises shall be planned.
	COMPUTER ORIENTED STATISTICAL TECHNIQUES PRACTICAL	1743UITPR	3	2	Fully Attained	NA
	SOFTWARE ENGINEERING PRACTICAL	1744UITPR	3	2	Fully Attained	NA
	COMPUTER GRAPHICS AND ANIMATION PRACTICAL	1745UITPR	2	2	Fully Attained	NA
V	SOFTWARE PROJECT MANAGEMENT	1851UITPM	3	2	Not Attained	NA
	INTERNET OF THINGS	1852UITIT	2	2	Fully Attained	NA
	ADVANCED WEB PROGRAMMING	1853UITWP	3.75	2	Fully Attained	NA
	ARTIFICIAL INTELLIGENCE	1854UITAI	2.25	2	Fully Attained	NA
	LINUX SYSTEM ADMINISTRATIO N	1855UITLA	NA	2	NA	NA
	ENTERPRISE JAVA	1856UITEJ	2.5	2	Fully Attained	NA
	NEXT GENERATION TECHNOLOGIES	1857UITNG	NA	2	NA	'NA
	PROJECT DISSERTATION	1851UITPR	0	2	Not Attained	Remedial coaching with exercises shall be planned.



	INTERNET OF THINGS PRACTICAL	1852UITPR	2	2	Fully Attained	NA
	ADVANCED WEB PROGRAMMING PRACTICAL	1853UITPR	2	2	Fully Attained	NA
	ARTIFICIAL INTELLIGENCE PRACTICAL	1854UITPR	0	2	Not Attained	Remedial coaching with exercises shall be planned.
	LINUX SYSTEM ADMINISTRATIO N PRACTICAL	1855UITPR	NA	2	NA -	NA
	ENTERPRISE JAVA PRACTICAL	1856UITPR	1	2	Not Attained	Remedial coaching with exercises shall be planned.
	NEXT GENERATION TECHNOLOGIES PRACTICAL	1857UITPR	NA	2	NA	NA
VI	SOFTWARE QUALITY ASSURANCE	1861UITSQ	2.25	2	Fully Attained	NA
	SECURITY IN COMPUTING	1862UITSC	2.25	2	Fully Attained	NA
	BUSINESS INTELLIGENCE	1863UITBI	2.25	2	Fully Attained	NA
	PRINCIPLES OF GEOGRAPHIC INFORMATION SYSTEMS	1864UITGI 2.25 2 Fully Attained		NA		
	ENTERPRISE NETWORKING	1865UITEN	NA	2	NA	NA
	IT SERVICE MANAGEMENT	1866UITIS	3.25	2	Fully Attained	NA
	CYBER LAWS	1867UITCL	NA	2	NA	NA
	PROJECT IMPLEMENTATIO N	1861UITPR	3	2	Fully Attained	NA
	SECURITY IN COMPUTING PRACTICAL	1862UITPR	2	2	Fully Attained	NA
	BUSINESS INTELLIGENCE	1863UITPR	2	2	Fully Attained	NA



PRACTICAL PRINCIPLES GEOGRAPHIC INFORMATIC SYSTEMS PRACTICAL	2	2	2	Fully Attained	NA
ENTERPRISE NETWORKIN PRACTICAL	1995	NA	2	NA	NA
ADVANCED MOBILE PROGRAMMI PRACTICAL	ING 1866UITPR	1	2	Not Attained	Remedial coaching with exercises shall be planned.
	Average	2.04			

NA means not applicable as target is fully attained. In this case, some courses were offered by institute but not opted by students.

Table No. H.2a: PO Attainment Level- B. Sc. (Information Technology)-2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	4	4	Fully Attained	
A2019-20	4	4	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 equal to target level-4. Hence at present no plans are required.

Table No. H.3: Results of CO-PO attainment-

B. Sc. (Information Technology)-B. Sc.(IT)-Academic Year 2019-20

Semest er	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0
98	COMMUNICATIO N SKILLS	1916UIS CS	3.25			3,25			3.25	3.25	3.25	3.25
1	WEB PROGRAMMING	1914UIS WP	1.25		1.25	1.25	1.25		1.25	1.25	1.25	1.25



PRINCIPAL

INTRODUCTION TO	1911UISI										
PROGRAMMING	P	3	3		3	3	3			3	3
FUNDAMENTAL S OF COMPUTERS AND ELECTRONICS	1912UIS FC	2.25	2.25	2.25	2.25		2.25				
OPERATING SYSTEMS	1913UIS OS	1.5	1.5	1.5	1.5			1.5	1.5		1.5
DISCRETE MATHEMATICS-I	1915UIS DM	1.25	1.25				1,25				
WEB PROGRAMMING I PRACTICAL	1914UIS PR	2		2	2	2		2	2	2	2
INTRODUCTION TO PROGRAMMING PRACTICAL	1911UIS PR	2	2		2	2	2			2	2
FUNDAMENTAL S OF COMPUTERS AND ELECTRONICS PRACTICAL	1912UIS PR	3	3	3	3		3				
OPERATING SYSTEMS PRACTICAL	1913UIS PR	3	3	3	3			3	3		3
IT PLATFORMS, TOOLS AND PRACTICES	1926UIS TP	3.25	3.25		3.25	3.25		3.25	3.25	3.25	3.25
WEB PROGRAMMING II	1924UIS WP	1.25				1.25	1.25		1.25	1.25	1.25
PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON	1921UIS PP	2	2	2		2	2	2	2	2	2
OBJECT ORIENTED PROGRAMMING	1922UIS 00	1.25	1.25		1.25			1.25	1.25		1.25
DATABASE MANAGEMENT SYSTEMS I	1923UIS DS	2.25		2.25	2.25			2.25	2.25		2.25
DISCRETE MATHEMATICS II	1925UIS DM	1.5	1.5				1.5		1.5		
WEB PROGRAMMING II PRACTICAL	1924UIS PR	2				2	2		2	2	2



	SOFTWARE	01	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
IV	COMPUTER ORIENTED STATISTICAL TECHNIQUES	1743UIT ST	2	2	2	2	2	2		2		2
202	INTRODUCTION TO EMBEDDED SYSTEMS	1742UIT ES	2.25	2.25	2.25	2.25						
	CORE JAVA	1741UIT CJ	2.25	2.25	2.25	2.25				2.25	2.25	2.2.
	MOBILE PROGRAMMING PRACTICAL	1735UIT PR	2	2	2	2	2	2	2		-	2
	DATABASE MANAGEMENT SYSTEMS PRACTICAL	1734UIT PR	2	2	2	2	2			1 8		2
	COMPUTER NETWORKS PRACTICAL	1733UIT PR	2	2	2	2			2	2		2
	DATA STRUCTURES PRACTICAL	1732UIT PR	1	1	1	1			1	1	1	1
ш	PYTHON PROGRAMMING PRACTICAL	1731UIT PR	1	1	1	1			1	1	1	1
	APPLIED MATHEMATICS	1735UIT AM	2.25	2.25			2.25	2.25	0			
	DATABASE MANAGEMENT SYSTEMS	1734UIT DM	2.75	2.75	2.75	2.75	2.75					2.7
	COMPUTER NETWORKS	1733UIT CN	2	2	2	2			2	2		2
	DATA STRUCTURES	1732UIT DS	2	2	2	2			2	2	2	2
	PYTHON PROGRAMMING	1731UIT PP	3	3	3	3			3	3	3	3
	DATABASE MANAGEMENT SYSTEMS I PRACTICAL	1923UIS PR	2		2	2			2	2		2
	OBJECT ORIENTED PROGRAMMING PRACTICAL	1922UIS PR	2	2		2	2		2	2		2
	PROGRAMMING AND APPLICATION DEVELOPMENT IN PYTHON PRACTICAL	1921UIS PR	2	2	2		2	2	2	2	2	2

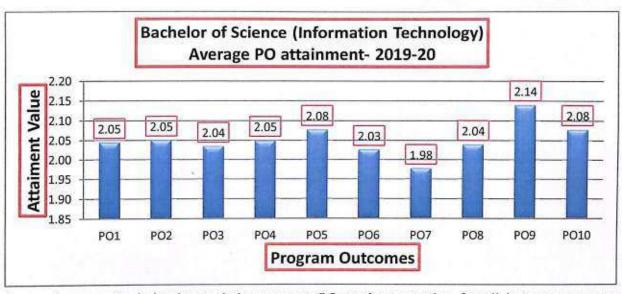


	ENGINEERING	1744UIT SE										
	COMPUTER GRAPHICS AND ANIMATION	1745UIT CG	2	2	2	2	2	2	2	2		2
	CORE JAVA PRACTICAL	1741UIT PR	1	1	1	1				1	1	1
	INTRODUCTION TO EMBEDDED SYSTEMS PRACTICAL	1742UIT PR	0	0	0	0						
	COMPUTER ORIENTED STATISTICAL TECHNIQUES PRACTICAL	1743UIT PR	3	3	3	3	3	3		3		3
	SOFTWARE ENGINEERING PRACTICAL	1744UIT PR	3	3	3	3	3	3	3	3	3	3
	COMPUTER GRAPHICS AND ANIMATION PRACTICAL	1745UIT PR	2	2	2	2	2	2	2	2		2
_	SOFTWARE	10511.00										
	PROJECT MANAGEMENT	1851UIT PM	3	3	3	3				3	3	3
	INTERNET OF THINGS	1852UITI T	2	2	2	2		2	2	2		2
	ADVANCED WEB PROGRAMMING	1853UIT WP	3.75	3.75	3.75					3.75	3.75	3.75
	ARTIFICIAL INTELLIGENCE	1854UIT AI	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25		2.25
	LINUX SYSTEM ADMINISTRATIO N	1855UIT LA	NA	NA	NA	NA				NA		NA
	ENTERPRISE JAVA	1856UIT EJ	2.5	2.5	2.5	2.5			2.5	2.5		2.5
v	NEXT GENERATION TECHNOLOGIES	1857UIT NG	NA	NA	NA				NA	NA		
	PROJECT DISSERTATION	1851UIT PR	0	0	0	0	0	0	0	0	0	0
	INTERNET OF THINGS PRACTICAL	1852UIT PR	2	2	2	2		2	2	2		2
	ADVANCED WEB PROGRAMMING PRACTICAL	1853UIT PR	2	2	2					2	2	2
	ARTIFICIAL INTELLIGENCE PRACTICAL	1854UIT PR	0	0	0	0	0	0	0	0		0
	LINUX SYSTEM ADMINISTRATIO N PRACTICAL	1855UIT PR	NA	NA	NA	NA				NA		NA

	ENTERPRISE JAVA PRACTICAL	1856UIT PR	1	1	1	1			1	1		
	NEXT GENERATION TECHNOLOGIES PRACTICAL	1857UIT PR	NA	NA	NA				NA	NA		
	SOFTWARE QUALITY ASSURANCE	1861UIT SQ	2,25	2.25	2.25	2.25	2.25	2.25		2.25		2.25
	SECURITY IN COMPUTING	1862UIT SC	2.25	2.25	2.25	2.25	2.25			2.25		2.25
	BUSINESS INTELLIGENCE	1863UIT BI	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25		2.25
	PRINCIPLES OF GEOGRAPHIC INFORMATION SYSTEMS	1864UIT GI	2.25	2.25	2.25					2.25		2.25
	ENTERPRISE NETWORKING	1865UIT EN	2.25	2.25	2.25	2.25	2.25	2.25		2.25		2.25
	IT SERVICE MANAGEMENT	1866UITI S	3.25	3.25	3.25	3.25	Dizz	2.22	3.25	3.25	3.25	3.25
	CYBER LAWS	1867UIT CL	NA	NA	NA	NA			NA	NA	NA	NA
VI	PROJECT IMPLEMENTATI ON	1861UIT PR	3	3	3	3	3	3	3	3	3	3
	SECURITY IN COMPUTING PRACTICAL	1862UIT PR	2	2	2	2	2	3	3	2	3	2
	BUSINESS INTELLIGENCE PRACTICAL	1863UIT PR	2	2	2	2	2	2	2	2		2
	PRINCIPLES OF GEOGRAPHIC INFORMATION SYSTEMS PRACTICAL	1864UIT PR	2	2	2					2		2
	ENTERPRISE NETWORKING PRACTICAL	1865UIT PR	NA	NA	NA	NA	NA	NA		NA		NA
	ADVANCED MOBILE PROGRAMMING PRACTICAL	1866UIT PR	1	1	1	1			1	1	1	1
			2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.1	2.08

NA: Not Applicable as in some Courses are offered by institute but not opted by students.





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 greater than 2).

# 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-2019-20

Semest er	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
1	FUNDAMENTALS OF SPORTS & NEW AGE DYNAMICS	1814BSFSD	*			*		*	
1	LEADERSHIP PRINCIPLES IN SPORTS	1815BSLPS	*			*		*	*
1	PRINCIPLES OF MANAGEMENT	1811BSPOM	*			*			*
I	BUSINESS ECONOMICS	1812BSBEC	*			*			
1	BUSINESS COMMUNICATION & SOFT SKILLS	1813BSBCS				*	*		
<b>L</b>	BASICS OF PRACTICAL SPORTS MANAGEMENT - I	1816BSBPS		*	*	*	*	*	
II	MANAGEMENT OF SPORTS	1823BSMLT	*			*		*	



	LEAGUES & TEAMS		1		1				I
II	SPORTS FACILITIES PLANNING & MANAGEMENT	1824BSSPF	*			*		*	
II	SPORTS EQUIPMENT & TECHNOLOGY MANAGEMENT	1825BSETM	*					*	
II	HUMAN RESOURCE MANAGEMENT	1821BSHRM	*			*		*	
II	MARKETING MANAGEMENT	1822BSMMT	*			*			
П	BASICS OF PRACTICAL SPORTS MANAGEMENT – II	1826BSBPS		*	*	*	*	*	4
Ш	SPORTS & ENTERTAINMENT MARKETING	1831BSENT	*			*		*	
Ш	SPORTS FUNDING & FINANCIAL MANAGEMENT	1832BSSFF	*			*		*	
Ш	SPORTS MEDIA , BROADCASTING & JOURNALISM	1833BSMBJ	*			*		*	
Ш	PR, SPONSORSHIP & ADVERTISING IN SPORTS	1834BSPSA	*			*			
Ш	SPORTS EVENT MANAGEMENT	1835BSSEM	*			*		*	3
Ш	PROFESSIONAL INDUSTRY ENGAGEMENT	1836BSPIE		*	*		*	*	
IV	SPORTS LAW & RISK MANAGEMENT	1842BSLRM	*					*	
IV	GLOBAL SPORTS TOURISM	1843BSGST	*			*		*	
IV	SPORTS HEALTH & NUTRITION	1844BSSHN	*	8		*			
IV	SPORTS PSYCHOLOGY	1845BSPSY	*			*		*	
IV	BRAND MANAGEMENT	1841BSBMT	*			*		*	
IV	WORK BASED LEARNING ROUTE	1846BSWBL		*	*	*	*	*	3

Table No. I.2: CO Attainment Level: Bachelor of management (Sports management) BMS(SM)- Academic Year - 2019-20

Semes ter	Course	Course code	CO Attainmen t value	Attainmen t Target Level	Fully Attained/ Not Attained	Remedial Measures
I	FUNDAMENTALS OF SPORTS & NEW AGE DYNAMICS	1814BSFSD	2.8	2	Fully Attained	NA
	LEADERSHIP PRINCIPLES IN SPORTS	1815BSLPS	2.4	2	Fully Attained	NA
	PRINCIPLES OF MANAGEMENT	1811BSPOM	1.4	2	Not Attained	Assignments , tutorials, exercises and remedial



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		T 1=				coaching shall be planned
	BUSINESS ECONOMICS	1812BSBEC	3,2	2	Fully Attained	NA
	BUSINESS COMMUNICATIO N & SOFT SKILLS	1813BSBCS	3	2	Fully Attained	NA
	BASICS OF PRACTICAL SPORTS MANAGEMENT - I	1816BSBPS	2	2	Fully Attained	NA
П	MANAGEMENT OF SPORTS LEAGUES & TEAMS	1823BSMLT	2.6	2	Fully Attained	NA
	SPORTS FACILITIES PLANNING & MANAGEMENT	1824BSSPF	1.6	2	Not Attained	Assignments , tutorials, exercises and remedia coaching shall be planned
	SPORTS EQUIPMENT & TECHNOLOGY MANAGEMENT	1825BSETM	2.6	2	Fully Attained	NA
	HUMAN RESOURCE MANAGEMENT	1821BSHRM	2	2	Fully Attained	NA
	MARKETING MANAGEMENT	1822BSMM T	2	2	Fully Attained	NA
	BASICS OF PRACTICAL SPORTS MANAGEMENT – II	1826BSBPS	2	2	Fully Attained	NA
				2	Fully Attained	NA
Ш	SPORTS & ENTERTAINMEN T MARKETING	1931BSENT	2.6	2	Fully Attained	NA
	SPORTS FUNDING & FINANCIAL MANAGEMENT	1932BSSFF	2.6	2	Fully Attained	NA
	SPORTS MEDIA , BROADCASTING & JOURNALISM	1933BSMBJ	3	2	Fully Attained	NA
	PR, SPONSORSHIP & ADVERTISING IN SPORTS	1934BSPSA	2.4	2	Fully Attained	NA



	SPORTS EVENT MANAGEMENT	1935BSSEM	3	2	Fully Attained	NA
	PROFESSIONAL INDUSTRY ENGAGEMENT	1936BSPIE	4	2	Fully Attained	NA
IV	SPORTS LAW & RISK MANAGEMENT	1842BSLRM	1.6	2	Not Attained	Assignments , tutorials, exercises
	GLOBAL SPORTS TOURISM	1843BSGST	1.6	2	Not Attained	and remedia coaching
	SPORTS HEALTH & NUTRITION	1844BSSHN	1.6	2	Not Attained	shall be planned
	SPORTS PSYCHOLOGY	1845BSPSY	2	2	Fully Attained	NA
	BRAND MANAGEMENT	1841BSBMT	1.6	2	Not Attained	Assignments , tutorials, exercises and remedial coaching shall be planned
	WORK BASED LEARNING ROUTE	1846BSWBL	4	2	Fully Attained	NA
		Average	2.38			

NA: Not Applicable as target level is fully attained.

Data upto semester IV is available as this program is started in the academic year 2018-19.

Table No. I.2a: PO Attainment Level- BMS (Sports Management)- 2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	5	4	Fully Attained	NA
A2019-20	4	4	Fully Attained	NA

### 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-

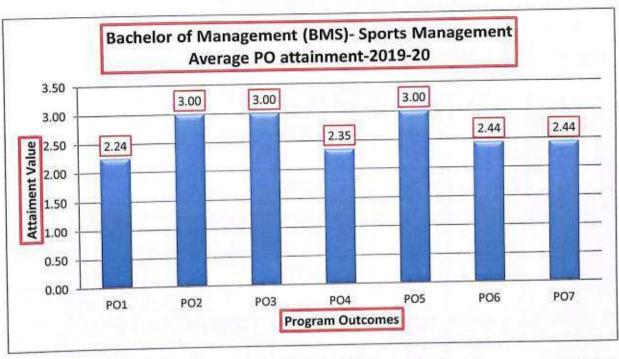
Bachelor of Management Studies (Sports Management)-BMS(SM)-Academic Year 2019-20

Semeste	Course	Course Code	PO 1	PO	PO	PO	PO	PO	PO
r	Course	Course Couc	1	2	3	4	5	6	7

1	FUNDAMENTALS OF SPORTS & NEW AGE DYNAMICS	1814BSFSD	2.8			2.8	1	2.8	
1	LEADERSHIP PRINCIPLES IN SPORTS	1815BSLPS	2.4			2.4		2.4	2.
I	PRINCIPLES OF MANAGEMENT	1811BSPOM	1.4			1.4			1.
I	BUSINESS ECONOMICS	1812BSBEC	3.2			3.2			
I	BUSINESS COMMUNICATION & SOFT SKILLS	1813BSBCS				3	3		
I	BASICS OF PRACTICAL SPORTS MANAGEMENT - I	1816BSBPS		2	2	2	2	2	
II	MANAGEMENT OF SPORTS LEAGUES & TEAMS	1823BSMLT	2.6			2.6		2.6	
Й	SPORTS FACILITIES PLANNING & MANAGEMENT	1824BSSPF	1.6			1.6		1.6	
п	SPORTS EQUIPMENT & TECHNOLOGY MANAGEMENT	1825BSETM	2.6					2.6	
II	HUMAN RESOURCE MANAGEMENT	1821BSHRM	2			2		2	2
II	MARKETING MANAGEMENT	1822BSMMT	2			2			
II	BASICS OF PRACTICAL SPORTS MANAGEMENT – II	1826BSBPS		2	2	2	2	2	2
III	SPORTS & ENTERTAINMENT MARKETING	1931BSENT	2.6			2.6		2.6	
Ш	SPORTS FUNDING & FINANCIAL MANAGEMENT	1932BSSFF	2.6			2.6		2.6	
III	SPORTS MEDIA , BROADCASTING & JOURNALISM	1933BSMBJ	3			3		3	
Ш	PR, SPONSORSHIP & ADVERTISING IN SPORTS	1934BSPSA	2.4			2.4			
III	SPORTS EVENT MANAGEMENT	1935BSSEM	3			3		3	3
Ш	PROFESSIONAL INDUSTRY ENGAGEMENT	1936BSPIE		4	4		4	4	4
IV	SPORTS LAW & RISK MANAGEMENT	1842BSLRM	1.6					1.6	
IV	GLOBAL SPORTS TOURISM	1843BSGST	1.6			1.6		1.6	
IV	SPORTS HEALTH & NUTRITION	1844BSSHN	1.6			1.6			
IV	SPORTS PSYCHOLOGY	1845BSPSY	2			2		2	
IV	BRAND MANAGEMENT	1841BSBMT	1.6			1.6		1.6	
IV	WORK BASED LEARNING ROUTE	1846BSWBL		4	4	4	4	4	4
	The state of the s	Average	2.2	3.0	3.0	2.3	3.0	2.4	2.6



PRINCIPAL



From above graph, it is observed that average PO attainment value for all program outcomes is greater than 2. It means, PO attainment by corresponding courses is at Very Good (value between 2 and 2.5) level. In fact in some cases it is at excellent level (value greater than 2.5).

0

# ALL POST GRADUATE COURSES

# ANNEXTURE J

Master of Arts (Economics)- MA(ECO)

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

Master of Arts (Economics)- MA(ECO)- Academic Year-2019-20

Semest er	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6
	MICROECONOMICS -I	1611PMEMI	*	*	*	*		
	MACROECONOMICS -1	1612PMEMA	*	*	*	*		
I	ECONOMICS OF DEVELOPMENT	1613PMEED	*	*	*	*	*	*
	STATISTICAL METHODS IN ECONOMICS	1814PMESM		*	*	*		



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

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

			0==					
	MICROECONOMICS -II	1623PMEMI	*	*	*	*	*	
	MACROECONOMICS -II	1624PMEMA	*	*	*	*		
TT	PUBLIC ECONOMICS	1621PMEPE	*	*	*	*	*	*
п	MATHEMATICAL TECHNIQUES FOR ECONOMISTS	1622PMEMT		*	*	*		
SF	ECONOMICS OF AGRICULT URAL PRODUCTION AND RURAL MARKETS	1731PMEAP	*	*	*	*	*	*
Ш	INTERNATIONAL TRADE: THEORY AND POLICY	1732PMEIT	*	*	*	*		*
	INDUSTRIAL ECONOMICS	1733PMEIE	*	*	*	*	*	*
	BANKING: THEORY AND POLICY	1734PMEBA	*	*	*	*	*	*
	AGRICULTURAL DEVELOP MENT AND POLICY	1741PMEAD	*	*	*	*	*	*
IV	INTERNATIONAL FINANCE	1742PMEIF	*	*	*	*	*	*
	ECONOMICS OF HUMAN DEVELOPMENT	1743PMEHD	*	*	*	**	*	*
	RESEARCH PROJECT	1744PMERP	*	*	*	*	*	*

# Table No. J.2: CO Attainment Level: Master of Arts (Economics)- MA(ECO)-Academic Year-2019-20

Seme ster	Course	Course Code	CO Attainment value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	MICROECONOMICS -I	1611PMEMI	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
(	MACROECONOMICS -I	1612PMEMA	2.6	2	Fully Attained	NA
	ECONOMICS OF DEVELOPMENT	1613PMEED	2.6	2	Fully Attained	NA
	STATISTICAL METHODS IN ECONOMICS	1814PMESM	2.4	2	Fully Attained	NA
II	MICROECONOMICS -	1623PMEMI	2.8	2	Fully	NA



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	II				Attained	
	MACROECONOMICS -II	1624PMEMA	2.4	2	Fully Attained	NA
	PUBLIC ECONOMICS	1621PMEPE	2.4	2	Fully Attained	NA
	MATHEMATICAL TECHNIQUES FOR ECONOMISTS	1622PMEMT	2.4	2	Fully Attained	NA
Ш	ECONOMICS OF AGRI CULTURAL PRODUCTION AND R URAL MARKETS	1731PMEAP	2	2	Fully Attained	NA
	INTERNATIONAL TRA DE: THEORY AND POLICY	1732PMEIT	2.4	2	Fully Attained	NA
	INDUSTRIAL ECONOMICS	1733PMEIE	2	2	Fully Attained	NA
	BANKING: THEORY AND POLICY	1734PMEBA	2.4	2	Fully Attained	NA
IV	AGRICULTURAL DEV ELOPMENT AND POLICY	1741PMEAD	3.4	2	Fully Attained	NA
	INTERNATIONAL FINANCE	1742PMEIF	1.6	2	Not Attained	Assignments tutorials, exercises and remedial coaching shal be planned.
	ECONOMICS OF HUMA N DEVELOPMENT	1743PMEHD	3	2	Fully Attained	NA
	RESEARCH PROJECT	1744PMERP	2	2	Fully Attained	NA
		Average	2.43			

Table No.J.2a: PO Attainment Level- MA (Economics)- 2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	5	4	Fully Attained	NA
A2019-20	4	4	Fully Attained	NA

# 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:

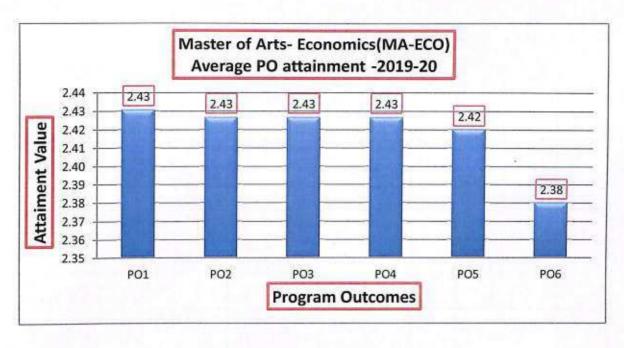
Program Outcome Attainment levels are greater than or equal to target level-4. Hence at present no plans are required.

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# Table No. J.3: Results of CO-PO attainment-Master of Arts (Economics)- MA(ECO)-Academic Year 2019-20

Semest er	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6
	MICROECONOMICS -I	1611PMEMI	1.8	1.8	1.8	1.8		
	MACROECONOMICS -I	1612PMEMA	2.6	2.6	2.6	2.6		
I	ECONOMICS OF							
18	DEVELOPMENT	1613PMEED	2.6	2.6	2.6	2.6	2.6	2.6
	STATISTICAL METHODS IN ECONOMICS	1814PMESM		2.4	2.4	2.4		
	MICROECONOMICS -II	1623PMEMI	2.8	2.8	2.8	2.8	2.8	
	MACROECONOMICS -II	1624PMEMA	2.4	2.4	2.4	2.4		
**	PUBLIC ECONOMICS	1621PMEPE	2.4	2.4	2.4	2.4	2.4	2.4
П	MATHEMATICAL TECHNIQUES FOR							
	ECONOMISTS	1622PMEMT		2.4	2.4	2.4		
	ECONOMICS OF AGRICUL TURAL PRODUCTION AND RURA L MARKETS	1731PMEAP	2	2	2	2	2	2
Ш	INTERNATIONAL TRADE: THEORY AND POLICY	1732PMEIT	2.4	2.4	2.4	2.4		2.4
	INDUSTRIAL ECONOMICS	1733PMEIE	2	2	2	2	2	2
	BANKING: THEORY AND POLICY	1734РМЕВА	2.4	2.4	2.4	2.4	2.4	2.4
	AGRICULTURAL DEVELO PMENT AND POLICY	1741PMEAD	3.4	3.4	3.4	3.4	3.4	3.4
IV	INTERNATIONAL FINANCE	1742PMEIF	1.6	1.6	1.6	1.6	1.6	1.6
	ECONOMICS OF HUMAN DEVELOPMENT	1743PMEHD	3	3	3	3	3	3
	RESEARCH PROJECT	1744PMERP	2	2	2	2	2	2
		Average	2.4	2.4	2.4	2.4	2.4	2.3





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

#### ANNEXTURE K

Master of Arts (Geography)- MA(GEO)

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

Master of Arts (Geography)- MA(GEO)- Academic Year-2019-20

Semes ter	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
	PRINCIPLES OF GEOMORPHOLOGY	1611PGEFG	*					
	PRINCIPLES OF CLIMATOLOGY	1612PGEPC	*					
I	PERSPECTIVES IN HUMAN GEOGRAPHY	1613PGESP		*	*			
	SPATIAL ORGANISATION OF ECONOMIC	1614PGEEA		*	*			



	ACTIVITIES							
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - I	1615PGESA						
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- II	1616PGESA					*	
	OCEANOGRAPHY AND HYDROLOGY	1621PGEOH	*					*
	GEOINFORMATICS	1622PGEIF				*		
	SOCIO-CULTURAL AND POLITICAL GEOGRAPHY	1623PGECP		*	*			
	URBAN GEOGRAPHY	1624PGEUG			*	1		
п	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - III	1625PGESA					*	
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- IV	1626PGESA					*	
	RESEARCH METHODOLOGY IN GEOGRAPHY	1731PGERM	*				*	
	CLIMATOLOGY OF TROPICS	1732PGECT	*					*
Ш	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					*	
	GEO-INFORMATICS AND HEALTH CARE	1741PGEHE	*			*	EV	
	ECOLOGY AND	1742PGEEE	1					
IV	ENVIRONMENT						*	*



Table No. K.2: CO Attainment Level: Master of Arts (Geography)- MA(GEO)-Academic Year-2019-20

Semes ter	Course	Course Code	CO Attainmen t value	Attainment Target Level	Fully Attained/ Not Attained	Remedial Measures
I	PRINCIPLES OF GEOMORPHOLOG Y	1611PGEFG	3	2	Fully Attained	NA
	PRINCIPLES OF CLIMATOLOGY	1612PGEPC	4	2	Fully Attained	NA
	PERSPECTIVES IN HUMAN GEOGRAPHY	1613PGESP	4.6	2	Fully Attained	NA
	SPATIAL ORGANISATION OF ECONOMIC ACTIVITIES	1614PGEEA	3.6	2	Fully Attained	NA
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - I	1615PGESA	5	2	Fully Attained	NA
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- II	1616PGESA	5	2	Fully Attained	NA
П	OCEANOGRAPHY AND HYDROLOGY	1621PGEOH	3.6	2	Fully Attained	NA
	GEOINFORMATIC S	1622PGEIF	4	2	Fully Attained	NA
	SOCIO- CULTURAL AND POLITICAL GEOGRAPHY	1623PGECP	4	2	Fully Attained	NA
	URBAN GEOGRAPHY	1624PGEUG	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
Ш	RESEARCH METHODOLOGY IN GEOGRAPHY	1731PGERM	2.4	2	Fully Attained	NA
	CLIMATOLOGY OF TROPICS	1732PGECT	3	2	Fully Attained	NA

	GEOGRAPHY OF	1733PGESA				
	SOUTH ASIA WITH SPECIAL REFERENCE TO INDIA		2.6	2	Fully Attained	NA
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - V	1734PGETT	2	2	Fully Attained	NA
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- VI	1735PGETT	3	2	Fully Attained	NA
IV	GEO- INFORMATICS AND HEALTH CARE	1741PGEHE	2.6	2	Fully Attained	NA
	ECOLOGY AND ENVIRONMENT	1742PGEEE	2.6	2	Fully Attained	NA
	DISSERTATION	1743PGED	2	2	Fully Attained	NA
		Average	3.45		-	

Table No.K.2a: PO Attainment Level- MA (Geography)- 2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	5	4	Fully Attained	
A2019-20	5	4	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.

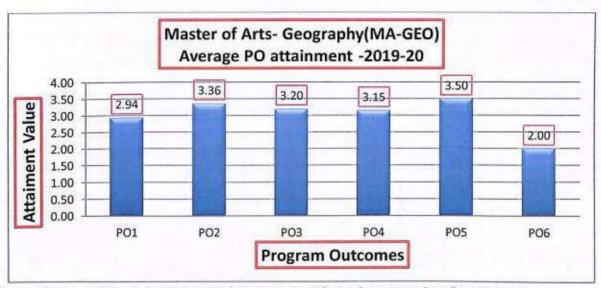
> Table No. K.3: Results of CO-PO attainment-Master of Arts (Geography)- MA(GEO)-Academic Year 2019-20

Semes ter	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
--------------	--------	-------------	-----	-----	-----	-----	-----	-----

	PRINCIPLES OF	LCHIPOPPO	3					
	GEOMORPHOLOGY PRINCIPLES OF	1611PGEFG 1612PGEPC	3					
	CLIMATOLOGY		4					
	PERSPECTIVES IN HUMAN GEOGRAPHY	1613PGESP		4.6	4.6			
1	SPATIAL ORGANISATION OF ECONOMIC ACTIVITIES	1614PGEEA	9615	3.6	3.6			
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - I	1615PGESA					5	
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- II	1616PGESA					5	
	OCEANOGRAPHY AND HYDROLOGY	1621PGEOH	3.6					3.6
	GEOINFORMATICS	1622PGEIF				4		
	SOCIO-CULTURAL AND POLITICAL GEOGRAPHY	1623PGECP		4	4			
up:	URBAN GEOGRAPHY	1624PGEUG			4			
п	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - III	1625PGESA				4	4	
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- IV	1626PGESA					4	
	RESEARCH METHODOLOGY IN GEOGRAPHY	1731PGERM	2.4				2.4	
	CLIMATOLOGY OF TROPICS	1732PGECT	3					3
ш	GEOGRAPHY OF SOUTH ASIA WITH SPECIAL REFERENCE TO INDIA	1733PGESA	G T	2.6	2.6			
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS - V	1734PGETT					2	
	TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS- VI	1735PGETT					3	
IV	GEO-INFORMATICS	1741PGEHE	2.6			2.6		



AND HEALTH CARE							
ECOLOGY AND ENVIRONMENT	1742PGEEE					2.6	2.6
DISSERTATION	1743PGED	2	2	2	2	2	2
	Average	2.94	3.36	3.20	3.15	3.50	2.00



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).

#### ANNEXTURE L

Master of Commerce (Accountancy)- MCOM (Accountancy)
Table No. I.1: PO CO Mapping Matrix:

Master of Commerce (Accountancy) - MCOM (Accountancy)
Academic Year-2019-20

	Course	Course Code	PROGRAMME OUTCOME					
Semester			PO1	PO2	PO3	PO4	PO5	
	STRATEGIC MANAGEMENT	1611PCMSM	*		*	*	*	
T 11 10	MICROECONOMICS	1612PCMEB	*			*		
I	COST AND MANAGEMENT ACCOUNTING	1613PCMCA	*	K		*		
	BUSINESS ETHICS AND CSR	1614PCMBE	*			*		

	RESEARCH METHODOLOGY	1621PCMRM	*	*	*		
п	MACROECONOMICS	1622PCMME	*			*	-
п	CORPORATE FINANCE	1623PCMCF	*	*	*		4
	E COMMERCE	1624PCMEC	*	*			1
	ADVANCED FINANCIAL ACCOUNTING	1731PCMFA	*	*		*	
ш	DIRECT TAX	1732PCMDT	*	*			*
ш	ADVANCED COST ACCOUNTING	1733PCMCA	*			*	
	INTERNSHIP BASED PROJECT WORK	1734PCMIP	*	*		*	*
	CORPORATE FINANCIAL ACCOUNTING	1741PCMCF	*				
IV	INDIRECT TAX	1742PCMGT	*	*			*
	IFRS	1743PCMFR	*	*			
	RESEARCH BASED PROJECT	1744PCMRP	*	*	*	*	*

Table No. L.2: CO Attainment Level: Master of Commerce (Accountancy)-MCOM (Accountancy)-Academic Year-2019-20

Seme ster	Course	Course Code	CO Attainme nt value	Attainme nt Target Level	Fully Attained/ Not Attained	Remedial Measures
1	STRATEGIC MANAGEMEN T	1611PCMSM	2	2	Fully Attained	NA
	MICROECONO MICS	1612PCMEB	2.4	2	Fully Attained	NA
	COST AND MANAGEMEN T ACCOUNTING	1613PCMCA	2.6	2	Fully Attained	NA
	BUSINESS ETHICS AND CSR	1614PCMBE	2.6	2	Fully Attained	NA

	ot Applicable as targ	Average	2.73			
	RESEARCH BASED PROJECT	1744PCMRP	3	2	Fully Attained	NA
	IFRS	1743PCMFR	3.4	2	Fully Attained	NA
	INDIRECT TAX	1742PCMGT	3.8	2	Fully Attained	NA
IV	CORPORATE FINANCIAL ACCOUNTING	1741PCMCF	2.4	2	Fully Attained	NA
	INTERNSHIP BASED PROJECT WORK	1734PCMIP	3	2	Fully Attained	NA
	ADVANCED COST ACCOUNTING	1733PCMCA	2	2	Fully Attained	NA
	DIRECT TAX	1732PCMDT	3.2	2	Fully Attained	NA
Ш	ADVANCED FINANCIAL ACCOUNTING	1731PCMFA	1.8	2	Not Attained	Assignm nts, tutorials exercises and remedia coaching shall be planned.
	E COMMERCE	1624PCMEC	2.4	2	Fully Attained	NA
	CORPORATE FINANCE	1623PCMCF	2.8	2	Fully Attained	NA
	MACROECONO MICS	1622PCMME	3.4	2	Fully Attained	NA
II	RESEARCH METHODOLOG Y	1621PCMRM	2.8	2	Fully Attained	NA

# Table No.L.2a: PO Attainment Level- MCOM (Accountancy)-2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	5	4	Fully Attained	
A2019-20	5	4	Fully Attained	

9. Planned Actions for Course Attainment:

22-3

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:

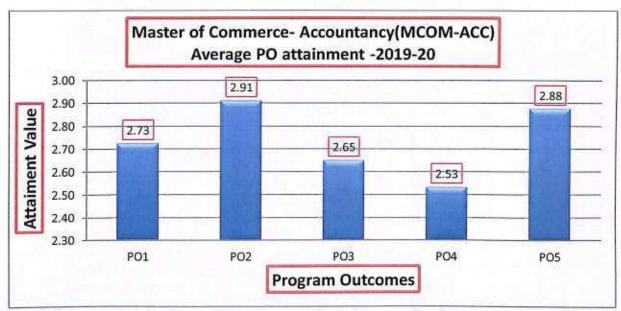
Program Outcome Attainment levels are greater than target level-4. Hence at present no plans are required.

Table No. L.3: Results of CO-PO attainment-Master of Commerce (Accountancy)- MCOM (Accountancy)- Academic Year 2019-20

			PF	ROGRA	MME (	UTCO	ME
Semester	Course	Course Code	PO1	PO2	PO3	PO4	PO5
	STRATEGIC MANAGEMENT	1611PCMSM	2		2	2	2
	MICROECONOMICS	1612PCMEB	2.4			2.4	
1	COST AND MANAGEMENT ACCOUNTING BUSINESS ETHICS	1613PCMCA	2.6			2.6	
	AND CSR	1614PCMBE	2.6	125		2.6	
	RESEARCH METHODOLOGY	1621PCMRM	2.8	2.8	2.8		2.8
-	MACROECONOMICS	1622PCMME	3.4			3.4	
П	CORPORATE FINANCE	1623PCMCF	2.8	2.8	2,8		2.8
	E COMMERCE	1624PCMEC	2.4	2.4			2.4
	ADVANCED FINANCIAL ACCOUNTING	1731PCMFA	1.8	1.8		1.8	
Ш	DIRECT TAX	1732PCMDT	3.2	3.2			3.2
ш	ADVANCED COST ACCOUNTING	1733PCMCA	2			2	
Y LE	INTERNSHIP BASED PROJECT WORK	1734PCMIP	3	3	W	3	3
	CORPORATE FINANCIAL ACCOUNTING	1741PCMCF	2.4				
IV	INDIRECT TAX	1742PCMGT	3.8	3.8			3.8
	IFRS	1743PCMFR	3.4	3.4			
	RESEARCH BASED	1744PCMRP	3	3	3	3	3



PROJECT			Ŋ.			
	Average	2.73	2.91	2.65	2.53	2.88



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 Commerce (Management)- MCOM (Management)

# Table No. M.1: PO CO Mapping Matrix: Master of Commerce (Management) - MCOM (Management) Academic Year-2019-20

			PROGRAMME OUTCOME							
Semest er	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5			
	STRATEGIC MANAGEMENT	1611PCMSM	*		*	*	*			
	MICROECONOMICS	1612PCMEB	冰			*				
I	SERVICE MARKETING	1715PCMMK	*			*	3#:			
	BUSINESS ETHICS AND CSR	1614PCMBE	*			*				
			1							



	RESEARCH METHODOLOGY	1621PCMRM	*	*	*		*
п	MACROECONOMICS	1622PCMME	*			*	
щ	RETAIL MANAGEMENT	1723PCMRM	*	*		*	*
	E COMMERCE	1624PCMEC	*	*			*
	RURAL MARKETING	1731PCMRM	*			*	
	ENTREPRENEURSHIP	1732PCMEP	*		*	*	*
Ш	ORGANISATIONAL BEHAVIOUR	1733PCMOB	*		*	*	*
	INTERNSHIP BASED PROJECT WORK	1734PCMIP	*	*		*	*
-	RESEARCH BASED PROJECT	1744PCMRP	*	*	*	*	*
	SUPPLY CHAIN MANAGEMENT	1741PCMML	*	*		*	
IV	BRAND MANAGEMENT	1742PCMBM	*			*	*
	MANAGEMENT OF BUSINESS RELATIONS	1743PCMBR	*			*	*

Table No. M.2: CO Attainment Level: Master of Commerce (Management)-MCOM (Management)-Academic Year-2019-20

Seme ster	Course	Course Code	CO Attainme nt value	Attainme nt Target Level	Fully Attained/ Not Attained	Remedial Measures
1	STRATEGIC MANAGEMENT	1611PCMS M	2.6	2	Fully Attained	NA
	MICROECONOM ICS	1612PCME B	1.8	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
	SERVICE MARKETING	1715PCMM K	3	2	Fully Attained	NA
Ŋ.	BUSINESS ETHICS AND CSR	1614PCMB E	3.6	2	Fully Attained	NA
П	RESEARCH METHODOLOGY		2.4	2	Fully Attained	NA
	MACROECONO MICS	1621PCMR M	2.8	2	Fully Attained	NA
	RETAIL	1622PCMM	2.4	2	Fully	NA



Applicable as target	Average	2.37			
MANAGEMENT OF BUSINESS RELATIONS	1744PCMR P	1.4	2	Fully Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
BRAND MANAGEMENT		3	2	Fully Attained	NA
SUPPLY CHAIN MANAGEMENT	1734PCMIP	2.4	2	Fully Attained	NA
RESEARCH BASED PROJECT	1733PCMO B	1	2	Not Attained	remedial coaching shall be planned.
INTERNSHIP BASED PROJECT WORK	1732PCME P	1	2	Not Attained	Assignments, tutorials, exercises and
ORGANISATION AL BEHAVIOUR	1731PCMR M	2	2	Fully Attained	NA
ENTREPRENEUR SHIP		3.4	2	Fully Attained	NA
RURAL MARKETING	1624PCME C	2.6	2	Fully Attained	NA
E COMMERCE	1723PCMR M	2.8	2	Fully Attained	NA
MANAC	EMENT	VII. 2017 AND	1722DCMD	1722DCMD	1722DCMD Eville

Table No. M.2a: PO Attainment Level- (Management)-2019-20

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	5	4	Fully Attained	NA
A2019-20	4			

#### 9. Planned Actions for Course Attainment:

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

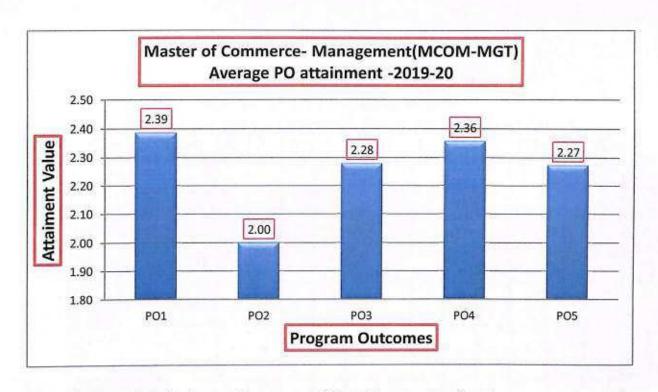
### 10. Planned Actions for Program Outcome Attainment:

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

PRINCIPAL

Table No. M.3: Results of CO-PO attainment-Master of Commerce (Management)- MCOM (Management) Academic Year 2019-20

			PROGRAMME OUTCOME						
Semest er	Course	Course Code	PO 1	PO 2	PO 3	PO 4	PO 5		
231	STRATEGIC MANAGEMENT	1611PCMSM	2.6		2.6	2.6	2.6		
	MICROECONOMICS	1612PCMEB	1.8			1.8			
I	SERVICE MARKETING	1715PCMMK	3			3	3		
	BUSINESS ETHICS AND CSR	1614PCMBE	3.6			3.6	į.		
	RESEARCH METHODOLOGY	1621PCMRM	2.4	2.4	2.4		2.4		
227	MACROECONOMICS	1622PCMME	2.8			2.8			
п	RETAIL MANAGEMENT	1723PCMRM	2,4	2.4		2.4	2.4		
10	E COMMERCE	1624PCMEC	2.8	2.8			2.8		
	RURAL MARKETING	1731PCMRM	2.6			2.6			
	ENTREPRENEURSHIP	1732PCMEP	3.4		3.4	3.4	3.4		
ш	ORGANISATIONAL BEHAVIOUR	1733PCMOB	2		2	2	2		
	INTERNSHIP BASED PROJECT WORK	1734PCMIP	1	1		1	1		
-	RESEARCH BASED PROJECT	1744PCMRP	1	1	1	1	1		
	SUPPLY CHAIN MANAGEMENT	1741PCMML	2.4	2.4		2.4			
IV	BRAND MANAGEMENT	1742PCMBM	3			3	3		
	MANAGEMENT OF BUSINESS RELATIONS	1743PCMBR	1.4			1.4	1.4		
		Average	2.39	2.00	2.28	2.36	2.2 7		



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

ANNEXTURE N



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

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

Master of Science (Information Technology)-M.Sc.(IT) Academic Year-2019-20

Sem este r	Course	Cours e Code	P O1	P O2	P O3	P O4	P O5	P 06	P 07	P O8	P O9	PO 10	PO 11	PO 12
	ADVANCE DATABASE SYSTEMS	1711PIT DB	*	*	*	*	*			*	*	*		*
	DISTRIBUTE D SYSTEMS	1612PIT DS	*	*	*	*	*			*	*	*	*	*
	DATA ANALYSIS TOOLS	1613PIT DA	*	*	*	*	*	*	*	*	*	*		
	SOFTWARE TESTING	1614PIT ST	*	*	*	*	*		*	*	*	*	*	*
	ADVANCE DATABASE SYSTEMS PRACTICAL	1715PIT PDB	*	*	*	*	*			*	*	*		*
	DISTRIBUTE D SYSTEMS PRACTICAL	1616PIT DS	*	*	*	*	*			*	*	*	*	*
	DATA ANALYSIS TOOLS PRACTICAL	1617PIT DA	*	*	*	*	*	*	*	*	*	*		
I	SOFTWARE TESTING PRACTICAL	1618PIT ST	*	*	*	*	*		*	*	*	*	*	*
	MOBILE COMPUTING	1621PIT MC	*	*	*	*	*			*	*	*	*	*
	ADVANCED COMPUTER NETWORKS	1622PIT CN	*	*	*	*				*	*	*		*
	CLOUD COMPUTING AND UBIQUITOU S SYSTEM	1623PIT CC	*	*	*	*				*	*	*	*	*
	DATA MINING WITH INTRODUCT ION TO DATA SCIENCE	1724PIT DM	*	*	*	*	*	*	*	*	*	*		*
	MOBILE	1625PIT	*	*	*	*	*	- 25		*	*	*	*	*



PRINCIPAL

	COMPUTING PRACTICAL	MC												
п	ADVANCED COMPUTER NETWORKS PRACTICAL	1626PIT CN	*	*	*	*				*	*	*		*
	CLOUD COMPUTING AND UBIQUITOU S SYSTEM PRACTICAL	1627PIT CC	*	*	*	*				*	*	*	*	*
	DATA MINING WITH INTRODUCT ION TO DATA SCIENCE PRACTICAL	1728PIT DM	*	*	*	*	*	*	*	*	*	*		*
	EMBEDDED	1731PIT												
	SYSTEMS	ES	*	*	*	*				*	*	*		*
	INFORMATI ON SECURITY MANAGEME NT	1732PIT IS	*	*	*	*				*	*			*
	ARTIFICIAL NEURAL NETWORKS	1733PIT NN	*	*	*	*				*	*	*		*
	VIRTUALIZ ATION	1733PIT VR	*	*	*						*			*
	DIGITAL IMAGE PROCESSIN G	1734PIT IP	*	*							*	*		
	ETHICAL HACKING	1734PIT EH	*	*	*	*		*	*	*	*		*	*
	EMBEDDED SYSTEMS PRACTICAL	1731PE SPR	*	*	*	*				*	*	*		*
	INFORMATI ON SECURITY MANAGEME NT PRACTICAL	1732PIS PR	*	*	*	*				*	*			*
ш	ARTIFICIAL NEURAL NETWORKS PRACTICAL	1733PN NPR	*	*	*			H		*	*	*		*



VIRTUALIZ ATION PRACTICAL	1733PV RPR	*	*	*						*			*
DIGITAL IMAGE PROCESSIN G PRACTICAL	1734PIP PR	*	*							*	*		
ETHICAL HACKING PRACTICAL	1734PE HPR	*	*	*	*		*	*	*	*		*	*
ARTIFICIAL INTELLIGEN CE	1741PIT AI	*	*	*	*	*	*	*		*	*		*
IT INFRASTRU CTURE MANAGEME NT	1742PIT IM	*	*	*						*	*		*
INTELLIGEN T SYSTEMS	1743PIT IS	*	*	*	*	*		*		*	*		*
REAL TIME EMBEDDED SYSTEMS	1743PIT ES	*	*	*						*			*
COMPUTER FORENSICS	1843PIT CF	*	*	*	*				*	*	*		×
ADVANCED IMAGE PROCESSIN G	1744PIT IP	*	*	*						*	*		
DESIGN OF EMBEDDED CONTROL SYSTEMS	1744PIT ES	*	*	*	*				*	*	*		
CLOUD MANAGEME NT	1744PIT CM	*	*	*						*	*		4
INTELLIGEN T SYSTEMS PRACTICAL	1745PIT IS	*	*	w	*	*		*		*	*		*
REAL TIME EMBEDDED SYSTEMS PRACTICAL	1745PIT ES	*	*	*						*			*
COMPUTER FORENSICS PRACTICAL	1845PIT CF	*	*	*	*				*	*	*		*
ADVANCED IMAGE PROCESSIN G	1746PIT IP	*	*	*						*			



DESIGN OF EMBEDDED CONTROL SYSTEMS PRACTICAL	1746PIT ES	*	*	*	*				*	*	*	
CLOUD MANAGEME NT PRACTICAL	1746PIT CM	*	*	*						*	*	
PROJECT	1747PIT PR	*	*	*	*	*	*	*	*	*	*	

# Table No. N.2: CO Attainment Level: Master of Science (Information Technology)-M.Sc.(IT)-Academic Year-2019-20

	- Prince	M.Sc.(IT)-A		Section of Street, Str			
Seme ster	Course	Course Code	CO Attainmen t value	Attainmen t Target Level	Fully Attained/ Not Attained	Remedial Measures	
I	ADVANCE DATABASE SYSTEMS	1711PITDB	2	2	Fully Attained	NA	
	DISTRIBUTED SYSTEMS	1612PITDS	2.2	2	Fully Attained	NA	
	DATA ANALYSIS TOOLS	1613PITDA	1.4	2	Not Attained	Assignments, tutorials, exercise and remedial coaching shall be planned.	
	SOFTWARE TESTING	1614PITST	2	2	Fully Attained	NA NA	
	ADVANCE DATABASE SYSTEMS PRACTICAL	1715PITPDB	1	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be	
	DISTRIBUTED SYSTEMS PRACTICAL	1616PITDS	1	2	Not Attained	planned.	
	DATA ANALYSIS TOOLS PRACTICAL	1617PITDA	1	2	Not Attained	4,101	
	SOFTWARE TESTING PRACTICAL	1618PITST	2	2	Fully Attained	NA	
II	MOBILE COMPUTING	1621PITMC	2.8	2	Fully Attained	NA	
	ADVANCED COMPUTER NETWORKS	1622PITCN	2.8	2	Fully Attained	NA	
	CLOUD COMPUTING AND UBIQUITOUS SYSTEM	1623PITCC	1.4	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be	
	DATA MINING WITH	DATA MINING			Not Attained	planned.	



	INTRODUCTION					77 57 119
	TO DATA					
	SCIENCE					
	MOBILE		2		Fully	
	COMPUTING	1625PITMC	2	2	Attained	NA
	PRACTICAL ADVANCED	1025P11MC			30000000	
	\$2000000000000000000000000000000000000				P. H.	
	COMPUTER		2	2	Fully	NA
	NETWORKS	1/2/DITCN1		201.	Attained	
	PRACTICAL	1626PITCN				
	CLOUD COMPUTING AND				10000000	
			2		Fully	
	UBIQUITOUS		2	2	Attained	NA
	SYSTEM	162701700			530000000	
	PRACTICAL	1627PITCC				
	DATA MINING					
	WITH INTRODUCTION		-		Daille	
	TO DATA		2	2	Fully	NA
	SCIENCE		2	1388	Attained	
	PRACTICAL	1728PITDM				
		1/20F11DIVI			Ewil.	
III	EMBEDDED	1731PITES	2.8	2	Fully	NA
	SYSTEMS INFORMATION		2.8		Attained	
	2000 CO.	Igaanimia		-	Fully	12/2/17
	SECURITY	1732PITIS	2.2	2	Attained	NA
_	MANAGEMENT		2.2		Tattaniou	
	ARTIFICIAL	1722017707			Fully	1404000
	NEURAL	1733PITNN	4.4	2	Attained	NA
_	NETWORKS	19220177177			The second contracts	19.50
	VIRTUALIZATION	1733PITVR	NA	2	NA .	NA
	DIGITAL IMAGE	1734PITIP	0.0	2	Fully	NA
	PROCESSING	78000000000000000	2.6	30	Attained	4343
	ETHICAL			2	Fully	NA
	HACKING	1734PITEH		4	Attained	NA
	EMBEDDED				Fully	
	SYSTEMS	1731PESPR	0028	2	Attained	NA
	PRACTICAL	THE RESERVE OF THE PARTY OF THE	3		Attained	
	INFORMATION				596 1896	
	SECURITY	1732PISPR		2	Fully	NI.A
	MANAGEMENT	1/32F13FK		2	Attained	NA
	PRACTICAL		2		7.727	
	ARTIFICIAL					
	NEURAL	1733PNNPR		2	Fully	NA
	NETWORKS	1733111111	-	5	Attained	INA
	PRACTICAL		2			
	VIRTUALIZATION	STEEL CARRIES DAMAGES	NA	2	NA	NA
	PRACTICAL	1733PVRPR	****		IVA	III.
	DIGITAL IMAGE	10200000000000			Fully	202027
	PROCESSING	1734PIPPR		2	Attained	NA
	PRACTICAL		2		7 manieu	
	ETHICAL			-	10000000	
	HACKING		NA	2	NA	NA
257	PRACTICAL	1734PEHPR	100-200-0			2/20
IV	ARTIFICIAL	1741PITAI	2.6	2	Fully	NA



INTELLIGENCE		No.		Attained	
IT INFRASTRUCTUR E MANAGEMENT	1742PITIM	3	2	Fully Attained	NA
INTELLIGENT SYSTEMS	1743PITIS	2.6	2	Fully Attained	NA
REAL TIME EMBEDDED SYSTEMS	1743PITES	NA	2	NA	NA
COMPUTER FORENSICS	1843PITCF	NA	2	NA	NA
ADVANCED IMAGE PROCESSING	1744PITIP	1.6	2	Not Attained	Assignments, tutorials, exercises and remedial coaching shall be planned.
DESIGN OF EMBEDDED CONTROL SYSTEMS	1744PITES	1 NA	2	NA	NA
CLOUD MANAGEMENT	1744PITCM	NA	2	NA	NA
INTELLIGENT SYSTEMS PRACTICAL	1745PITIS	2	2	Fully Attained	NA
REAL TIME EMBEDDED SYSTEMS	1745PITES	NA	2	NA	NA
COMPUTER FORENSICS	1845PITCF	NA	2	NA	NA
ADVANCED IMAGE PROCESSING PRACTICAL	1746PITIP	2	2	Fully Attained	NA
DESIGN OF EMBEDDED CONTROL SYSTEMS PRACTICAL	1746PITES	NA	2	NA	NA
CLOUD MANAGEMENT PRACTICAL	1746PITCM	NA	2	NA	NA
PROJECT	1747PITPR	2	2	Fully Attained	
THE PARTY OF THE P	Average	2.13			
	IT INFRASTRUCTUR E MANAGEMENT INTELLIGENT SYSTEMS REAL TIME EMBEDDED SYSTEMS COMPUTER FORENSICS  ADVANCED IMAGE PROCESSING  DESIGN OF EMBEDDED CONTROL SYSTEMS CLOUD MANAGEMENT INTELLIGENT SYSTEMS PRACTICAL REAL TIME EMBEDDED SYSTEMS PRACTICAL COMPUTER FORENSICS PRACTICAL ADVANCED IMAGE PROCESSING PRACTICAL ADVANCED IMAGE PROCESSING PRACTICAL OBSIGN OF EMBEDDED CONTROL SYSTEMS PRACTICAL ADVANCED IMAGE PROCESSING PRACTICAL CLOUD MANAGEMENT PRACTICAL CLOUD MANAGEMENT PRACTICAL	IT INFRASTRUCTUR E MANAGEMENT  INTELLIGENT SYSTEMS  REAL TIME EMBEDDED SYSTEMS  COMPUTER FORENSICS  ADVANCED IMAGE IMAGE PROCESSING  DESIGN OF EMBEDDED CONTROL SYSTEMS  CLOUD MANAGEMENT INTELLIGENT SYSTEMS PRACTICAL  REAL TIME EMBEDDED SYSTEMS PRACTICAL  COMPUTER FORENSICS  1744PITES  1744PITES  1744PITES  1745PITIS  PRACTICAL  REAL TIME EMBEDDED SYSTEMS PRACTICAL  COMPUTER FORENSICS PRACTICAL  ADVANCED IMAGE PROCESSING PRACTICAL  DESIGN OF EMBEDDED CONTROL SYSTEMS PRACTICAL  ADVANCED IMAGE PROCESSING PRACTICAL  DESIGN OF EMBEDDED CONTROL SYSTEMS PRACTICAL  DESIGN OF EMBEDDED CONTROL SYSTEMS PRACTICAL  DESIGN OF EMBEDDED CONTROL SYSTEMS PRACTICAL  THERE PROCESSING PRACTICAL  THERE	IT INFRASTRUCTUR E MANAGEMENT INTELLIGENT SYSTEMS 1743PITIS 2.6  REAL TIME EMBEDDED SYSTEMS 1743PITES NA SYSTEMS 1743PITES NA SYSTEMS 1744PITEP NA PROCESSING 1.6  DESIGN OF EMBEDDED CONTROL SYSTEMS 1744PITES NA SYSTEMS 1744PITES NA SYSTEMS 1745PITIS PRACTICAL COMPUTER FORENSICS 1845PITCF NA PRACTICAL ADVANCED IMAGE PROCESSING 1746PITIP 2 DESIGN OF EMBEDDED CONTROL SYSTEMS 1745PITIS PRACTICAL COMPUTER FORENSICS PRACTICAL COMPUTER PROCESSING PRACTICAL COMPUTER FORENSICS PRACTICAL COMPUTER PROCESSING PRACTICAL TOTAL COMPUTER PROCESSING PRACTICAL TOTAL COMPUTER PROCESSING PRACTICAL TOTAL TOTA	TT	IT INFRASTRUCTUR E MANAGEMENT IT42PITIM 3 2 Fully Attained INTELLIGENT SYSTEMS IT43PITIS 2.6 2 Fully Attained EMBEDDED SYSTEMS IT43PITES NA 2 NA SYSTEMS COMPUTER FORENSICS IS43PITCF NA 2 NA ADVANCED INAGE PROCESSING IT44PITIP 2 Not Attained INTELLIGENT SYSTEMS CLOUD MANAGEMENT IT45PITIS 2 Fully Attained IT45PITIS SYSTEMS IT45PITIS 2 Fully Attained IT45PITIS NA 2 NA INTELLIGENT SYSTEMS IT45PITIS 2 Fully Attained IT45PITIS NA 2 NA INTELLIGENT SYSTEMS IT45PITES NA 2 NA INTELLIGENT IT46PITE NA 2 NA INTELLIGENT IT46PITE NA 2 NA INTELLIGENT IT46PITEM NA 2

NA: Not Applicable as target level is fully attained. Also some courses are offered by institution but not opted by students.

Table No. N.2a: PO Attainment Level- M.Sc.-IT-2020-21

PRINCIPAL

Academic year	PO attainment level	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
A2018-19	5	4	Fully Attained	NA
A2019-20	4	4	Fully Attained	NA

#### 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. N.3: Results of CO-PO attainment-Master of Science (Information Technology)- M.Sc.-(IT) Academic Year 2019-20

Semes ter	Course	Course Code	P O1	P O2	P O3	P O4	P O5	P 06	P O7	P O8	P 09	PO 10	PO 11	PO 12
	ADVANCE DATABASE SYSTEMS	1711PIT DB	2	2	2	2	2			2	2	2		2
	DISTRIBUTE D SYSTEMS	1612PIT DS	2.2	2.2	2.2	2.2	2.2			2.2	2.2	2.2	2.2	2.2
	DATA ANALYSIS TOOLS	1613PIT DA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	6	
	SOFTWARE TESTING	1614PIT ST	2	2	2	2	2		2	2	2	2	2	2
1			1	1	1	1	1			1	1	1	1	1
	ADVANCE DATABASE SYSTEMS PRACTICAL	1715PIT PDB	1	1	1	1	1			1	1	1	1	1
	DISTRIBUTE D SYSTEMS PRACTICAL	1616PIT DS	1	1	1	1	1	1	1	1	1	1		
	DATA ANALYSIS TOOLS PRACTICAL	1617PIT DA	2	2	2	2	2		2	2	2	2	2	2
	SOFTWARE TESTING PRACTICAL	1618PIT ST												



			2.8	2.8	2.8	2.8	2.8			2.8	2.8	2.8	2.8	2.8
	MOBILE COMPUTING	1621PIT MC	2.8	2.8	2.8	2.8				2.8	2.8	2.8		2.8
	ADVANCED COMPUTER NETWORKS	1622PIT CN	1.4	1.4	1.4	1.4				1.4	1.4	1.4	1.4	1.4
	CLOUD COMPUTING AND UBIQUITOUS SYSTEM	1623PIT CC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1,6		1.6
	DATA MINING WITH INTRODUCTI ON TO DATA SCIENCE	1724PIT DM	2	2	2	2	2			2	2	2	2	2
	MOBILE COMPUTING PRACTICAL	1625PIT MC	2	2	2	2				2	2	2		2
П	ADVANCED COMPUTER NETWORKS PRACTICAL	1626PIT CN	2	2	2	2				2	2	2	2	2
	CLOUD COMPUTING AND UBIQUITOUS SYSTEM PRACTICAL	1627PIT CC	2	2	2	2	2	2	2	2	2	2		2
	DATA MINING WITH INTRODUCTI ON TO DATA SCIENCE PRACTICAL	1728PIT DM	*308/	2.70			4							
			2.8	2.8	2.8	2.8				2.8	2.8	2.8		2.8
	EMBEDDED SYSTEMS INFORMATI	1731PIT ES	2.2	2.2	2.2	2.2				2.2	2.2			2.2
	ON SECURITY MANAGEME NT	1732PIT IS	4.4	4.4	4.4	4.4				4.4	4.4	4,4		4.4
	ARTIFICIAL NEURAL NETWORKS	1733PIT NN	N A	N A	N A						N A			NA
	VIRTUALIZA TION	1733PIT VR	2.6	2.6	13						2.6	2.6		
Ш	DIGITAL IMAGE	1734PIT IP	N A	N A	N A	N A		N A	N A	N A	N A		NA	NA

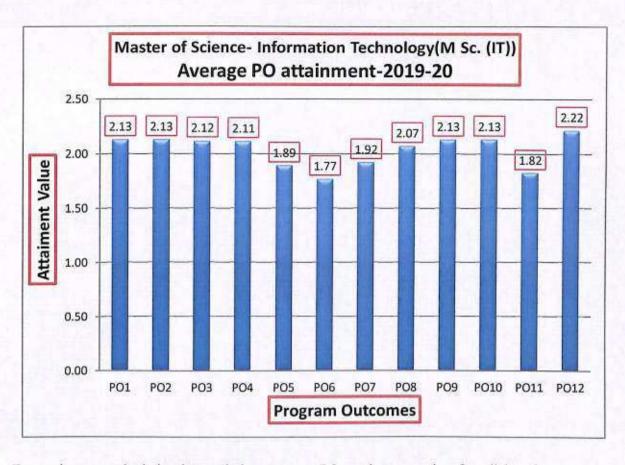
	PROCESSING						V.							
	ETHICAL HACKING	1734PIT EH	3	3	3	3				3	3	3		3
	EMBEDDED SYSTEMS PRACTICAL	1731PES PR	2	2	2	2				2	2		h,-	2
	INFORMATI ON SECURITY MANAGEME NT PRACTICAL	1732PIS PR	2	2	2					2	2	2		2
	ARTIFICIAL NEURAL NETWORKS PRACTICAL	1733PN NPR	N A	N A	N A						N A			NA
	VIRTUALIZA TION PRACTICAL	1733PV RPR	2	2							2	2		
	DIGITAL IMAGE PROCESSING PRACTICAL	1734PIP PR	N A	N A	N A	N A		N A	N A	N A	N A		NA	NA
7,11	ETHICAL HACKING PRACTICAL	1734PE HPR												
		-	2.6	2.6	2.6	2.6	2.6	2.6	2.6		2.6	2.6		2.6
	ARTIFICIAL INTELLIGEN CE	1741PIT AI	3	3	3						3	3		3
	IT INFRASTRU CTURE MANAGEME NT	1742PIT IM	2.6	2.6	2.6	2.6	2.6		2.6		2.6	2.6		2.6
	INTELLIGEN T SYSTEMS	1743PIT IS	N A	N A	N A						N A			NA
	REAL TIME EMBEDDED SYSTEMS	1743PIT ES	N A	N A	N A	N A				N A	N A	NA		NA
	COMPUTER FORENSICS	1843PIT CF	1.6	1.6	1.6						1.6	1.6		
	ADVANCED IMAGE PROCESSING	1744PIT IP	N A	N A	N A	N A				N A	N A	NA		
	DESIGN OF EMBEDDED CONTROL SYSTEMS	1744PIT ES	N A	N A	N A						N A	NA		NA
	CLOUD MANAGEME	1744PIT CM	2	2	2	2	2	3	2	T,	2	2		2



	Average	2.1	2.1	2.1	2.1	1.8 9	1.7 7	1.9 2	2.0 7	2.1	2.1	1.8	2.2
CLOUD MANAGE NT PRACTIC	1746PIT	2	2	2	2	2	2	2	2	2	2		2
DESIGN OF EMBEDD CONTROL SYSTEMS PRACTIC	ED 1746PIT ES	N A	N A	N A						N A	NA		NA
ADVANC IMAGE PROCESS PRACTIC	I746PIT ING IP	N A	N A	N A	N A				N A	N A	NA		
COMPUTE FORENSIO PRACTIC	CS 1845P11	2	2	2						2	2		
REAL TIM EMBEDDI SYSTEMS PRACTIC	ED 1745PIT ES	N A	N A	N A	N A				N A	N A	NA		NA
T SYSTEM PRACTICAL	4S 1745P11	N A	N A	N A						N A			N.A

NA: Not Applicable as some courses are offered by institution but not opted by students.





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

9-7-