

At Post Mahiravani, Trimbak Road, Nashik-422213, Maharashtra https://www.sandipuniversity.edu.in

## **School of Commerce and Management Studies**

Department of Commerce and Management

#### - NEP-2020 Course Structure-

Programme Name: BBA (Business Analytics) (Hons. / Hons. with Research)

Sem	ester – I						I	For the <b>B</b>	atch:	AY 24-2	5 onw	ards
					ching Hrs./V			Exa	minatio	on Scheme	•	Total
Sr. No.	Category	Course Code	Course Name	L	т	P	с	Form Assess CIA	ment		native sment E	Marks
								Course	Lab	Course	Lab	
Majo	or (Mandato	ory + Electives	5)									
1	Major	NYBB101	Principles of Management	3			3	50		100		100
2	Major	NYBA101	Data Management and Data Warehousing	3			3	50		100		100
Mine	or: NA											
				NA								
Ope	n Elective (	(OE) *										
3	OE	NCAO03	Open Elective – I	4			4	50		100		100
Voca	ational and	Skill Enhance	ement (VSEC)									
4	SEC	NMGS12	Skill Enhancement Course I	1		2	2		50		50	100
5	VSC	NMGV01	Vocational Skill Course I	1		2	2		50		50	100
Abil	ity/ Value	Education Co	ırses / Indian Knowledge Sy	stem(	AEC/	VEC	/IKS) *	•				
6	AEC	NHSA09	Ability Enhancement Courses – I			4	2		50		50	100
7	VEC	NLWV01	Value Education Course – I	2			2		50		50	100
8	IKS	NMGI02	Indian Knowledge System – I	2			2		50		50	100
OJT	/FP/CEP/C	CC/RP										
9	CC	NMGC01	Co-Curricular Course-I			4	2		50		50	100
		TO	<b>TAL</b>	16	0	12	22	150	300	300	300	900

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# School of Commerce and Management Studies

CIA: Continuous Internal Assessment	<b>OJT</b> – On Job Training <b>FP</b> – Field Project <b>CEP</b> – Community	CIA	Weightage	Description
<b>ESE</b> : End Semester Theory Exam.	Engagement Projects <b>CC</b> – Co-Curricular Course	CIA 1	10%	Home Assignment
<b>L</b> : Theory Lecture,	<b>RP</b> – Research Project <b>AEC</b> - Ability Enhancement	CIA 2	20%	Written Exam
<b>T</b> : Tutorial, <b>P</b> : Practical	Courses IKS- Indian Knowledge System	CIA 3	10%	Activity /Project and Research Based Learning along with Seminar Presentations
	<b>VEC</b> - Value Education Courses	CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance
	* - Refer University Notification	CIA TOTAL	50%	
W	ritten Examination – End Seme	ester Exam (ESE)	50%	]
		TOTAL	100%	1

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### School of Commerce and Management Studies

Department of Commerce and Management

#### - NEP-2020 Course Structure-

Programme Name: BBA (Business Analytics) (Hons. / Hons. with Research)

					ching Hrs./W		ne	Exa	aminatio	on Schem	e	Total
Sr. No.	Category	Course Code	Course Name	L	т	Р	c	Formative Assessment CIA		Summative Assessment ESE		Marks
								Course	Lab	Course	Lab	
Мајо	r(Mandato	ry + Electives)										
1	Major	NYBA201	Fundamentals of Data Science	2	1		3	50		100		100
2	Major	NYBA202	Introduction to SQL	1		4	3	50		100		100
Mino	or:		, ,		<u> </u>	Į	ļ	<u></u>		<u> </u>	LI	
3	Minor	NYBAM03	Minor-I	2			2	50		100		100
Oper	Electives	(OE) *										
4	OE	NMGO10S	Open Elective – II	4			4	50		100		100
Voca	tional and	Skill Enhancen	nent (VSEC)					•			· · · · ·	
5	VSC	NMGV02	Vocational Skill Course II			4	2		50		50	100
6	SEC	NMGS11	Skill Enhancement Course II	1		2	2		50		50	100
Abili	ty/ Value I	Education Cour	ses / Indian Knowledge	Syst	em(AEC	C/VE	C/IK	5) *				
7	AEC	NHSA10	Ability Enhancement Courses - II			4	2		50		50	100
8	VEC	NSSV01	Value Education Course - II			4	2		50		50	100
OJT/	FP/CEP/C	C/RP										
9	СС	NMGC02	Co-Curricular Course- II			4	2		50		50	100
		TOTAL		10	1	22	22	200	250	400	250	900

 BoS
 Dean
 Associate Dean
 Registrar

 Chairperson
 SOCMS
 Academics
 Registrar

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<b>ESE</b> : End Semester Theory Exam.	Engagement Projects <b>CC</b> – Co-Curricular Course	CIA 1	10%	Home Assignment
<b>L</b> : Theory Lecture,	<b>RP</b> – Research Project <b>AEC</b> - Ability Enhancement	CIA 2	20%	Written Exam
<b>T</b> : Tutorial, <b>P</b> : Practical	Courses IKS- Indian Knowledge System	CIA 3	10%	Activity /Project and Research Based Learning along with Seminar Presentations
	<b>VEC</b> - Value Education Courses	CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance
	* - Refer University Notification	CIA TOTAL	50%	
W	ritten Examination – End Seme	ester Exam (ESE)	50%	
		TOTAL	100%	-

**Exit option:** Award of UG Certificate in Major with 40-44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor.

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#### - NEP-2020 Course Structure-

Programme Name: BBA (Business Analytics) (Hons. / Hons. with Research)

Seme	ester – I	III					Fo	r the Bat	ch: A.Y.	. 24-25 of	nward	S
				Т		g Schen Week)	ne	E	xaminatio	on Scheme		
Sr. No.	Catego ry	Course Code	Course Name	L T	Р	с	Forn	native sment	Summative Assessment ESE		Total Marks	
								Course	Lab	Course	Lab	
Majo	or (Man	datory)										
1	Major	NYBA301	Business Analytics Using R	3		2	4	50		100		100
2	Major	NYBA302	Introduction to Business Analytics	3	1		4	50		100		100
Min	or											
3	Minor	NYBB301	Minor-II	3	1		4	50		100		100
Ope	n Elect	ive (OE) *									,	
4	OE	NMGO11S	Open Elective – III	2			2	50		100		100
Voca	ational	and Skill l	Enhancement (VSEC)		•	•	•			•	·	
5	VSC	NMGV07	Vocational Skill Course III	1		2	2		50		50	100
		Ability/ V	Value Education Course	es / Ir	ıdian	Know	ledge	System (	AEC/VE	C/IKS)	k	
6	AEC	NHSA11	Ability Enhancement Courses - III			4	2		50		50	100
				T/FP	/CEP/	CC/F	<b>P</b>					
7	СС	NMGC03	Co-Curricular Course- III			4	2		50		50	100
8	FP	NYBA311	Field project I			4	2		50		50	100
		ТО	TAL	12	02	16	22	200	200	400	200	800

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<b>ESE</b> : End Semester Theory Exam. L: Theory Lecture,	Engagement Projects <b>CC</b> – Co-Curricular Course	CIA 1	10%	Home Assignment
<b>T</b> : Tutorial,	<b>RP</b> – Research Project <b>AEC</b> - Ability Enhancement	CIA 2	20%	Written Exam
P: Practical	Courses IKS- Indian Knowledge System VEC- Value Education	CIA 3	10%	Activity /Project and Research Based Learning along with Seminar Presentations
	Courses * - Refer University Notification	CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance
		CIA TOTAL	50%	
W	ritten Examination – End Seme	ester Exam (ESE)	50%	
		TOTAL	100%	

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## **School of Commerce and Management Studies**

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#### - NEP-2020 Course Structure-

#### Programme Name: BBA (Business Analytics) (Hons. / Hons. with Research)

S	Semester	r – IV					F	or the	Batch	: A.Y. 2	24-25	onwa
				Т		g Schem Week)	e	Exc	minati	on Scher	ne	
Sr. No.	Core	Course Code	Course Name	L	T	P	с	Formative Assessment CIA		Summative		Total Marks
								Course	Lab	Course	Lab	
Majo	or (Mand	latory)										
1	Major	NYBA401	Artificial Intelligence & Machine Learning	3		2	4	50		100		100
2	Major	NYBA402	Python for Business Analytics	3		2	4	50		100		100
Mine	or											
3	Minor	NYBAM04	Minor III	4			4	50		100		100
Ope	n Electi	ves (OE)		<u></u>	<u>I</u>	1		1		ł		
4	OE	NMGO12S	Open Elective IV	2			2	50		100		100
Voca	ational a	and Skill En	hancement (VSEC)									
5	SEC		Skill Enhancement Course III	2			2		50		50	100
Abili	ity/Voca	ational Enh	ancement Courses / Indiar	n Kno	wledg	e Syste	em (A	EC/VE	EC/IK	S)		
6	AEC	NHSA12	Ability Enhancement Course-IV			4	2		50		50	100
OJT	/FP/CE	P/CC/RP										
7	FP	NYBA411	Field Project II			4	2		50		50	100
8	CC	NMGC04	Co-Curricular Course-IV			4	2		50		50	100
		T	OTAL	14	0	16	22	200	200	400	200	800

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<b>ESE</b> : End Semester Theory Exam.	Engagement Projects <b>CC</b> – Co-Curricular Course	CIA 1	10%	Home Assignment			
<b>L</b> : Theory Lecture,	<b>RP</b> – Research Project <b>AEC</b> - Ability Enhancement	CIA 2	20%	Written Exam			
<b>T</b> : Tutorial, <b>P</b> : Practical	Courses IKS- Indian Knowledge System VEC- Value Education	CIA 3	10%	Activity /Project and Research Based Learning along with Seminar Presentations			
	<ul> <li>Courses</li> <li>* - Refer University</li> <li>Notification</li> </ul>	CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance			
		CIA TOTAL	50%				
W	ritten Examination – End Seme	ester Exam (ESE)	50%				
		TOTAL	100%				

**Exit option:** Award of UG Diploma in Major and Minor with 80-88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor

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#### - NEP-2020 Course Structure-

#### Programme Name: BBA (Business Analytics) (Hons. / Hons. with Research)

#### Semester – V For the Batch: A.Y. 23-24 onwards **Teaching Scheme Examination Scheme** (Hrs./Week) Formative Summative **Total** Sr. Core Course Code Course Name Assessment Assessment Marks No. т Р С ESE CIA L Course Lab Course Lab Major (Mandatory) 4 100 1 Major NYBA501 4 50 100 **Digital Transformation** \_\_\_ \_\_\_ \_\_ \_\_\_ 2 Major NYBA502 Financial Analytics 3 1 4 50 100 100 \_\_\_ --\_\_\_ Tableau for Business NYBA503 2 3 Major 1 \_\_\_ 2 50 \_\_\_ 100 \_\_\_ 100 Intelligence **Major Electives (ME)** NYBAE01 Major Elective I 4 50 100 100 4 4 \_\_\_ \_\_\_ \_\_\_ \_\_\_ ME Minor NYBAM05 Minor IV 5 50 100 4 4 \_ \_ 100 Minor Vocational and Skill Enhancement (VSEC) VSC 6 NMGV08 Vocational Skill Course III 2 2 50 50 100 ----\_\_\_ \_\_\_ Ability/Vocational Enhancement Courses / Indian Knowledge System (AEC/VEC/IKS) Ability Enhancement 7 AEC NHSA13 4 2 50 50 100 \_\_\_ \_\_\_ Course-V OJT/FP/CEP/CC/RP NYBA511 Field Project III 8 FP 4 2 50 50 100 \_ \_ \_\_\_ \_\_\_ TOTAL 10 24 250 150 500 150 800 18 1

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<b>ESE</b> : End Semester Theory Exam.	Engagement Projects <b>CC</b> – Co-Curricular Course	CIA 1	10%	Home Assignment
<b>L</b> : Theory Lecture,	<b>RP</b> – Research Project <b>AEC</b> - Ability Enhancement	CIA 2	20%	Written Exam
<b>T</b> : Tutorial, <b>P</b> : Practical	Courses IKS- Indian Knowledge System VEC- Value Education Courses	CIA 3	10%	Activity /Project and Research Based Learning along with Seminar Presentations
		CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance
	* - Refer University Notification	CIA TOTAL	50%	
W	ritten Examination – End Seme	ester Exam (ESE)	50%	
		TOTAL	100%	

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## School of Commerce and Management Studies

Department of Commerce and Management

#### **NEP-2020 Course Structure**

Programme Name: BBA (Business Analytics) (Hons. / Hons. with Research)

#### Semester – VI

				Т	eaching (Hrs./V		•	Examination Scheme		e		
Sr. No.	Core	Course Code	Course Name	L			native ssment IA	Sumn Asses ESI		Total Marks		
								Course	Lab	Course	Lab	
Majo	or (Manda	tory)										
1	Major	NYBA601	Decision Support System with SPSS	3	-	2	4	50	-	100	-	100
2	Major	NYBA602	Marketing Analytics	4	-	-	4	50	-	100	-	100
3	Major	NYBA603	Data Visualization Using Power BI	1	-	2	2	50	-	100	-	100
Majo	r Electiv	es (ME)										
4	ME	NYBAE02	Major Elective II	4	-	-	4	50	-	100	-	100
Mino	or											
5	Minor	NYBAM06	Minor V	4	-	-	4	50	-	100	-	100
Abili	ty/Vocat	ional Enha	ancement Courses / In	dian H	Inowle	dge Sy	vstem	(AEC/V	EC/IK	S)		
6	AEC	NHSAIA	Ability Enhancement Course-VI			4	2		50		50	100
OJT	/FP/CEP	/CC/RP										
7	OJT	NYBA611	On job Training I	-	-	8	4	-	50	-	50	100
		тот	AL	16	-	12	24	250	100	500	100	700

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Department of Commerce and Management

<b>CIA</b> : Continuous Internal Assessment	<b>OJT</b> – On Job Training <b>FP</b> – Field Project <b>CEP</b> – Community	CIA	Weightage	Description
<b>ESE</b> : End Semester Theory Exam.	Engagement Projects <b>CC</b> – Co-Curricular Course	CIA 1	10%	Home Assignment
<b>L</b> : Theory Lecture,	<b>RP</b> – Research Project <b>AEC</b> - Ability Enhancement	CIA 2	20%	Written Exam
<b>T</b> : Tutorial, <b>P</b> : Practical	Courses IKS- Indian Knowledge System VEC- Value Education	CIA 3	10%	Activity /Project and Research Based Learning along with Seminar Presentations
	Courses * - Refer University Notification	CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance
		CIA TOTAL	50%	
W	Vritten Examination – End Semo	ester Exam (ESE)	50%	-
		TOTAL	100%	-

Exit option: Award of UG Degree in Major with 120-132 credits OR Continue with Major and Minor

BoS Chairperson	Dean SOCMS	Associate D Academics	Dean	Registrar SUN
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### **School of Commerce and Management Studies**

Department of Commerce and Management

#### **NEP-2020** Course Structure

#### **Programme Name:** BBA (Business Analytics) (Hons. with Research)

#### Semester – VII

				Т	eaching (Hrs./V		•	Examination Scheme		e		
Sr. No.	Core	ore Course Course Name L T P		Р	с	Asse			native sment E	Total Marks		
								Course	Lab	Course	Lab	
Majo	Major (Mandatory)											
1	Major	NYBA704	SWAYAM	4	-	-	4	50	-	100	-	100
2	Major	NYBA705	SWAYAM	4	-	-	4	50	-	100	-	100
3	Major	NRDP101	Research Methodology	4	-	-	4	50	-	100	-	100
Majo	r Electiv	es (ME)										
4	ME	NYBAE04	Journal Paper Publication (min.4)	4	-	-	4	50	-	100	-	100
Abili	ty/Vocat	ional Enha	ancement Courses / In	dian K	Inowle	dge Sy	stem	(AEC/V	EC/IK	S)		
5	AEC	INHSA14	Ability Enhancement Course-VII			4	2		50		50	100
OJT	FP/CEP	/CC/RP					·					
6	RP	NYBA711	Research Project I	-	-	8	4	-	50	-	50	100
		тот	`AL	16	-	12	22	200	50	400	50	600

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ESE. End Semester Theory Exam.	Engagement Projects <b>CC</b> – Co-Curricular Course	CIA 1	10%	Home Assignment
<b>L</b> : Theory Lecture,	<b>RP</b> – Research Project <b>AEC</b> - Ability Enhancement	CIA 2	20%	Written Exam
<b>T</b> : Tutorial, <b>P</b> : Practical	Courses IKS- Indian Knowledge System VEC- Value Education Courses * - Refer University Notification	CIA 3	10%	Activity /Project and Research Based Learning along with Seminar Presentations
		CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance
		CIA TOTAL	50%	
W	ritten Examination – End Seme	50%	-	
		TOTAL	100%	-

BoS Chairperson	Dean SOCMS	Associate Dean Academics		Registrar SUN	
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## **School of Commerce and Management Studies**

Department of Commerce and Management

#### **NEP-2020 Course Structure**

#### Programme Name: BBA (Business Analytics) (Hons)

#### Semester – VII

				Т	eaching (Hrs./W		Examination Scheme			e		
Sr. No.	Core	Course Code	Course Name	L	т	Р	с	Formative Assessment CIA Course Lab		Summative Assessment ESE Course Lab		Total Marks
Majo	or (Manda	tory)						Course	Lab	Course	LaD	
1	Major	NYBA701	Business Storytelling with data	3	_	2	4	50	_	100	-	100
2	Major	NYBA702	Data analytics using Orange	3	_	2	4	50	_	100	-	100
3	Major		Data Ethics Privacy & Governance	3	1	-	4	50	-	100	-	100
4	Major	NRDP101	Research Methodology	4	-	-	4	50	-	100	-	100
Majo	r Elective	es (ME)					<u> </u>					
5	ME	NYBAE03	Healthcare Analytics	3	-	2	4	50	-	100	-	100
Abili	ty/Vocat	ional Enha	ancement Courses / Inc	dian K	Inowled	lge Sy	stem	(AEC/V	EC/IK	S)		
6	AEC	NHSA14	Ability Enhancement Course-VII		-	4	2	-	50	-	50	100
	TOTAL			16	1	10	22	250	50	500	50	600

BoS Chairperson	Dean SOCMS		Associate Dean Academics	
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<b>OJT</b> – On Job Training <b>FP</b> – Field Project <b>CEP</b> – Community	CIA	Weightage	Description
Engagement Projects <b>CC</b> – Co-Curricular Course	CIA 1	10%	Home Assignment
<b>RP</b> – Research Project	CIA 2	20%	Written Exam
Courses IKS- Indian Knowledge System VEC- Value Education Courses * - Refer University	CIA 3	10%	Activity /Project and Research Based Learning along with Seminar Presentations
	CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance
	CIA TOTAL	50%	
l Vritten Examination – End Seme	50%	-	
	TOTAL	100%	1
	<ul> <li>FP – Field Project</li> <li>CEP – Community</li> <li>Engagement Projects</li> <li>CC – Co-Curricular Course</li> <li>RP – Research Project</li> <li>AEC- Ability Enhancement</li> <li>Courses</li> <li>IKS- Indian Knowledge</li> <li>System</li> <li>VEC- Value Education</li> <li>Courses</li> <li>* - Refer University</li> <li>Notification</li> </ul>	FP - Field Project       CIA         CEP - Community       Engagement Projects         CC - Co-Curricular Course       CIA 1         RP - Research Project       CIA 2         AEC- Ability Enhancement       CIA 2         Courses       CIA 3         VEC- Value Education       CIA 4         * - Refer University       CIA TOTAL         /ritten Examination – End Semester Exam (ESE)       CIA 5	FP - Field ProjectCIAWeightageCEP - Community Engagement ProjectsCIA 110%CC - Co-Curricular Course RP - Research ProjectCIA 110%AEC- Ability Enhancement CoursesCIA 220%IKS- Indian Knowledge SystemCIA 310%VEC- Value Education CoursesCIA 410%* - Refer University NotificationCIA 410%// Titten Examination - End Semester Exam (ESE)50%

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## **School of Commerce and Management Studies**

Department of Commerce and Management

#### **NEP-2020 Course Structure**

#### Programme Name: (Business Analytics) (Hons. with Research)

#### Semester – VIII

				Teaching Scheme (Hrs./Week)				Examination Scheme				
Sr. No.	Core	Course Code	Course Name	L	Т	Р	с	Formative Assessment CIA		Summative Assessment ESE		Total Marks
								Course	Lab	Course	Lab	
Major (Mandatory)												
1	Major	NYBA804	SWAYAM	4	-	-	4	50	-	100	-	100
2	Major	NYBA805	SWAYAM	4	-	-	4	50	-	100	-	100
Majo	r Electivo	es (ME)										
4	ME	NYBAE06	International conference presentation and research publication	4	-	_	4	50	-	100	-	100
OJT,	OJT/FP/CEP/CC/RP											
6	RP	NYBA812	Research Project II	-	-	16	8	-	100	-	100	200
		тот	AL	12	-	16	20	150	100	300	100	500

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# School of Commerce and Management Studies

CIA: Continuous Internal Assessment	<b>OJT</b> – On Job Training <b>FP</b> – Field Project <b>CEP</b> – Community	CIA	Weightage	Description
<b>ESE</b> : End Semester Theory Exam.	Engagement Projects <b>CC</b> – Co-Curricular Course	CIA 1	10%	Home Assignment
L: Theory Lecture,	<b>RP</b> – Research Project <b>AEC</b> - Ability Enhancement	CIA 2	20%	Written Exam
T: Tutorial, P: Practical	KE- Ability Emilancement         Courses         IKS- Indian Knowledge         System         VEC- Value Education         Courses         * - Refer University         Notification	CIA 3	10%	Activity /Project and Research Based Learning along with Seminar Presentations
		CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance
		CIA TOTAL	50%	
W	/ ritten Examination – End Semo	50%		
		TOTAL	100%	

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## School of Commerce and Management Studies

Department of Commerce and Management

#### NEP-2020 Course Structure

#### Programme Name: (Business Analytics) (Hons.)

#### Semester – VIII

				Teaching Scheme (Hrs./Week)		Examination Scheme			e			
Sr. No.	Core	Course Code	Course Name	L	Т	Р	с	Formative Assessment CIA		Summative Assessment ESE		Total Marks
								Course	Lab	Course	Lab	
Majo	Major (Mandatory)											
1	Major	NYBA801	Start-up Analytics & Entrepreneurial Intelligence	3	_	2	4	50	_	100	_	100
2	Major	NYBA802	Fraud Detection & Cyber Security Analysis	4	_	_	4	50	-	100	-	100
3	Major	NYBA803	Data Driven Strategic Management	3	_	2	4	50	_	100	-	100
Majo	r Electiv	es (ME)	1	ļ		ļ	ļ	ļļ		ļ	11	
4	ME	NYBAE05	Sustainable Business Analytics	3	1	-	4	50	-	100	-	100
				•		•	•			•		
OJT,	FP/CEP	CC/RP										
6	RP	NYBA811	On the Job Training	-	-	16	8	-	100	-	100	200
		тот	AL	16	-	16	24	200	100	400	100	600

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# School of Commerce and Management Studies

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		CIA 4	10%	Behavioral Attitude +General Discipline Theory +Practical attendance
		CIA TOTAL	50%	
Written Examination – End Semester Exam (ESE)			50%	
		TOTAL	100%	

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