

# **Implementation of National Education Policy 2020**

## **Guidelines for UG Programmes**

### **Report of the Task Force**

6 February 2023



**Birla Global University,  
Bhubaneswar, India**

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## 1. Introduction

Birla Global University(BGU), Bhubaneswar is planning to implement National Education Policy(NEP) 2020 from the Academic Year 2023-24. BGU is committed to implement NEP for achieving full human potential, developing an equitable and just society, and promoting national development in line with the global education development agenda reflected in the United Nations Sustainable Development Goal 4 (SDG4) of the 2030 Agenda. The university will contribute towards India's commitment for achieving the SDG 4 - to "ensure inclusive and equitable quality education and promote lifelong learning opportunities for all". The process of implementation of NEP 2020 in BGU will commence with its Under-graduate programmes.

A Task Force was constituted on 6th of December 2022 to prepare the guidelines for implementation of the NEP 2020 in Undergraduate programmes across all the schools of BGU w.e.f. the Academic year 2023-24. After a series of meetings and discussions, the Task Force has prepared a set of broad guidelines along with Programme Structure and Credit Framework for all UG Programmes of the university with reference to the policy guidelines of NEP 2020 for Higher Education and UGC's Curriculum and Credit Framework for Undergraduate Programmes, details of which are presented in this report.

## 2. Purpose

The main purposes of implementing NEP 2020 at BGU are:

- to strengthen the cross-functional study environment across schools for developing the creative and cognitive potential of the students, their critical thinking and problem solving capacities by providing them more flexibility to choose subjects in place of streams for their undergraduate programmes;
- to transform the Undergraduate education by redesigning the curriculum framework based on the fundamental principles of NEP 2020, as highlighted in section 2.1 of the UGC's Curriculum and Credit Framework for Undergraduate Programmes(Annexure-I); and
- to develop social, ethical, and emotional capacities and dispositions of the students.

The university will follow the NEP 2020 provisions for flexible UG courses with multiple entry and exit options for students.

## 3. The Task Force for Implementation of NEP 2020

A Task Force was constituted for implementation of the NEP 2020 at BGU with following members:

1. Dr. P. Nayak, Dean, Birla School of Management- Chairman
2. Dr. Samson Moharana, Dean, Birla School of Commerce and Dean-in-charge, Birla School of Social Sciences and Humanities - Member
3. Dr. Lalit Kumar Deb, Dean, Birla School of Law- Member
4. Dr. Shiv Shankar Das, Head, Birla School of Communication - Member
5. Dr. Pradipta Kumar Sanyal, Associate Professor, Birla School of Management - Member
6. Dr. Anubha Ray, Associate Professor, Birla School of Management - Member
7. Dr. Manaswini Jena, Assistant Professor, Birla School of Applied Sciences - Member

The Task Force co-opted following faculty members to join the Task Force for participation in the discussion on examination and certain specialized disciplines.

1. Dr. Manas Kumar Pal, Controller of Examination
2. Dr. Pradeep Kumar Tiwari, Associate Professor, Birla School of Applied Sciences
3. Dr. Satyakama Misra- Assistant Professor, Accounting & Finance, Birla School of Management
4. Dr. Ajit Kumar Dash, Assistant Professor, Economics, Birla School of Social Sciences and Humanities

#### **4. Suggested Curriculum Framework for UG Programmes**

The Curriculum and Credit Framework is suggested for different UG programmes of BGU as follows:

##### **4.1 Broad Guidelines**

- 4.1.1** Undergraduate programmes will be of 3 or 4 years' duration, except BBA- LLB which will be for 5 years with multiple entry and exit options. Students will be given opportunities for multidisciplinary and interdisciplinary education through options to choose courses of their interests from different streams/schools within BGU.
- 4.1.2** The total credits for 3-year Undergraduate Programmes will be minimum 120 and that for 4-year UG(Hons with Research) degree will be minimum 160(120 +40=160 credits) as per the guidelines suggested by NEP.
- 4.1.3** Students of Undergraduate programmes can exit after 1<sup>st</sup> Year with a certificate, after 2nd year with an Advanced Diploma, 3rd year with a Bachelor's Degree and after 4th year with Bachelor's Degree(Honours) with Research, as per guidelines of NEP 2020.
- 4.1.4** The courses will have knowledge, skill and employability components. Every school will think and rethink about innovativeness, skill and value based education so as to cater the future need of the present generation.
- 4.1.5** The relevant multidisciplinary courses will be offered to address the learning interests of students across the schools.
- 4.1.6** 20% of the courses may be offered online from SWAYAM.
- 4.1.7** Academic Bank of Credits(ABC) to be established to facilitate Transfer of Credits. The credits earned at various levels will get credited into a digitalised ABC. Students can use their earned credits to take admission in another institution to further continue their studies for the remaining year/s of their graduation.
- 4.1.8** The Academic Calendar for Undergraduate programmes of the university will be synchronized to allow students of a particular UG programme to study a course or courses from another UG Programme to meet the credit requirement of a Semester. The commencement and closure of Semesters and examinations for UG Programmes should be planned in a uniform manner for declaration of results and awarding Grades after a Semester/Year.

**4.1.9** Since the university is self-financed, proper care will be taken in preparing the programme structure and selection of the courses for satisfying the interests of the prospective students.

## **4.2 Programme Structure for UG Programmes**

### **4.2.1 Three Year UG Degree Programme:**

Following types of courses will be offered for a 3-Year UG Programme.

- 15 Discipline-specific Major Courses (60 credits)
- 6 Interdisciplinary Minor Courses (24 credits including 12 credit of Vocational Education & Training)
- 3 Multidisciplinary Courses (9 credits)
- 3 Ability Enhancement Courses (8 credits)
- 3 Skills Enhancement Courses (9 credits)
- 3 Value-added Courses (6 credits)
- 1 Internship (2 credits)
- 1 Community Engagement Project (2 credits)

### **4.2.2 Four Year UG Degree (Hons. with Research) Programme**

Following types of courses will be offered for a 4-Year UG Programme.

- 20 Discipline-specific Major Courses (80 credits)
- 8 Interdisciplinary Minor Courses (32 credits)
- 3 Multidisciplinary Courses (9 credits)
- 3 Ability Enhancement Courses (8 credits)
- 3 Skill Enhancement Courses (9 credits)
- 3 Value-added courses (6 credits)
- 1 Internship (2 credits)
- 1 Community Engagement Project (2 credits)
- 1 Research Project with Dissertation (12 credits)

## **4.3 Common Value-added Courses (VAC)**

Following three Value-Added Courses are suggested for all UG Programmes:

- Environmental Science/Education- 2 Credits (Semester 1)
- Health & Wellness- 1 Credit (Semester 1)
- Indian Knowledge System (IKS)- 3 Credits (Semester 2)

## **4.4 Summer Internship /Apprenticeship**

- Community engagement and service- 2 Credits
- Field-based learning/minor project- 2 Credits

## 4.5 Multidisciplinary Courses

Following multidisciplinary Courses are proposed to be offered by different Schools of BGU.

### **BSoM**

- 1 Principles of Management
- 2 Financial Institution and Market

### **BSoC**

1. Personal Financial Planning

### **BSoAS**

1. Cyber Security
2. Introduction to Artificial Intelligence

### **BSS&H**

1. Basic Econometrics
2. International Economics
3. Indian Economy

### **BSoL**

1. Business Law
2. Gender Justice
3. IPR and Litigation
4. Media Law
5. Labour and Industrial Law

### **BSCOMM**

1. Photography
2. Film Appreciation

## 4.6 Major and Minor Courses

### 4.6.1 Major Courses:

Fifteen courses (60 credits) for a 3-year UG programme and 20 additional courses (80 credits) for a 4- year UG (Honours) Degree with Research programme. This will be common for all UG programmes except BCA/BSC(DS) and BBA-LLB(Hons.) which will have different sets of Major Courses as per the special requirements of the programme.

### 4.6.2 Minor Courses:

#### a. For a 3-year UG programme

Out of six minor courses, three courses (12 credits) are interdisciplinary and other three courses (12 credits) are Vocational Education and Training courses.

#### b. For a 4-year UG(Hons with Research) programme

Out of eight minor courses, four courses (16 credits) are interdisciplinary and other four courses (16 credits) are vocational education and training courses.

## 4.7 Programme Structure with Semester-wise Distribution of Courses and Credits

Details of suggested framework for distribution of courses and credits for all UG Programmes are given in Tables 1 -10.

**Table 1: Semester-wise distribution of different types of Courses and Credits for BBA, BAJMC, BA(Eco) Programmes**

Semester	Discipline-specific Major (60/80Credits)	Interdisciplinary Minor (24/32 Credits)	Multi-disciplinary Courses(MDC) (9 credits)	Ability Enhancement Courses (AEC) 8 credits	Skill Enhancement Courses (SEC) (9 credits) Internship /Dissertation (4 credits)	Common Value-Added Courses (VAC) (6 credits)	No of papers & Projects/ Internship	Total Credits
I	1 Major (4)	1 Minor (4)	1 MDC (3)	1 AEC (3)	1 SEC (3)	2 VAC (2+1) (3)	7	20
II	1 Major (4)	1 VOC (4)	1 MDC (3)	1 AEC (3)	1 SEC (3)	1 VAC (3) <b>Total 6 credit</b>	6	20
	<b>UG Certificate</b>						<b>13</b>	<b>40 (No Exit) 40+4 (1 VOC) = 44 (Exit)</b>
III	1 Major (4)	2 Minor (4+4=8) (1 VOC, 1 Minor)	1 MDC (3) <b>Total 9 credits</b>	1 AEC (2) <b>Total 8 credits</b>	1 SEC (3) <b>Total 9 credits</b>	-	6	20
IV	3 Major (12)	2 Minor (4+4=8) (1 VOC, 1 minor) <b>Total 24 credits</b>	-		-		5	20
	<b>UG Diploma</b>							<b>80(No Exit) 80+4(1 VOC) =84 (Exit)</b>

V	4 Major (16)		-	-	4 Credit <i>(Internship- 2 credit, Community Engagement-2 credit)</i>	-	4 1-Internship 1-Community Engagement Project	20
VI	5 Major (20) <b>Total 60 credits</b>		-	-	-	-	5	20
	<b>3-year UG Degree</b>						<b>33 Papers 1 Internship 1 Project</b>	<b>120</b>
VII	4 Major (16)	1 Minor Interdisciplinary (Research Methodology)(4)	-		-	-	5	20
VIII	1 Major (4) <b>(Total-80 credits)</b>	1 Minor(4) <b>Total 32 Credits</b>	-		(Research / Dissertation 12 credits		<b>2 Papers 1 Dissertation  Total 40 papers 1 Internship 1 Project 1 Dissertation</b>	20
	<b>UG Degree (Hons.) with Research</b>							<b>160</b>

**Note: 4-year UG Degree (Honours) students not undertaking research will do 3 courses for 12 credits in lieu of a Research Project / Dissertation.**



**Table 2: Programme Structure and Credit Distribution of 3-Year BBA and 4- Year BBA(H) with Research**

Semester	Disciplinary Major/Core	Interdisciplinary Minor	Multidisciplinary Courses	AEC With credit	SEC	VAC	Project/ Internship	Total Credit	Without/With Exit
I	Principles of Management (4)	Managerial Economics (4)	1 (3)	English Language & Communication (3)	IT Skills (3)	1.EVS 2. Health & Wellness (2+1)		20	
II	OB (4)	Accounting Management (4)	Research Methodology (3)	Business Communication & Presentation (3)	Programmming Skills (3)	IKS (3)		20	<b>40(Without Exit) 44(Exit)</b>
III	Principles of Marketing (4)	1.QM 2. Entrepreneurship (8)	Business Law (3)	Business Writing (2)	Soft Skills (3)			20	
IV	1.HRM 2.Consumer Behaviour 3. COMA (12)	1.Ethics & CSR 2. Insurance & Risk Management (8)						20	<b>80(Without Exit) 84(Exit)</b>
V	1.Strategic Management 2.IT & Analytics 3.Diversity, Equity & Inclusivity 4.Financial Management (16)						1.Summer Project 2. Community Engagement (4)2 credit each)	20	

	1. Financial Statement Analysis 2. OM 3. Digital Marketing 4. Operation Research 5. Business Environment (20)							20	120 (3 Year UG Degree)
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#### 4<sup>th</sup> YEAR UG(Hons.)

Semester	HR	Marketing	Finance	Operations	Business analytics	Total number of papers	Total credit
VII (Hons.) Major	1. HR Planning & Employee Engagement 2. Performance & Compensation Management 3. Leadership Skills & Team Management 4. IR & Employee Welfare (16)	1. CRM 2. B2B 3. ECommerce 4. Rural Marketing (16)	1. Corporate Taxation 2. FMS 3. Financial Statement Analysis 4. Financial Market & Services (16)	1. TQM 2. Project Management 3. Logistics Supply Chain Management 4. Service Operation Management (16)	1. Statistical Data Modelling using R 2. Data Visualisation 3. Data Mining & Warehousing 4. Introduction to Business Analytics (16)	5	20
Minor	Research Methodology (4)	Research Methodology (4)	Research Methodology (4)	Research Methodology (4)	Research Methodology (4)		

VIII Major	Human Resource Development (4)	Retail Management (4)	Capital Market (4)	Strategic Operations Management (4)	Python for Business Analytics (4)	2	<b>20</b>
Minor	HR Analytics (4)	Bottom of Pyramid (4)	Corporate Finance (4)	Technology & Innovation Management (4)	AI & Machine Learning (4)	Research & Dissertation (12)	
<b>Total</b>	<b>UG Degree (Honours) with Research</b>						<b>160</b>

*\*Nomenclature of the courses is not final*





<b>Table 3: Programme Structure and Credit Distribution of 3-Year BAJMC and 4- Year BAJMC(H) with Research</b>										
Semester	Major	Minor	MDC	AEC	SEC	Value-Added	Project	Total	Final Credit without EXIT option	Final credit with EXIT option
I	Introduction to Communication (4)	Photography (4)	Principles of Management (3)	Professional Writing (3)	Introduction to Camera and Lighting (3)	Environmental Science (3)	0	20		
II	TV and Radio Journalism (4)	Digital Media (4)	Introduction to Artificial Intelligence (3)	Media Trends and Current Affairs (3)	Audio Visual Editing (3)	Health and Wellness (3)	0	20		
<b>UG certificate after completing 1 year (Additional 4 Credit SIP/ Voc)</b>								<b>40</b>	<b>40</b>	<b>44</b>
III	Print Journalism (4)	Film Appreciation (4) Integrated Marketing Communication(4)	Gender Justice (3)	Mobile Journalism (2)	Radio Jockeying (3)		0	20		
IV	Public Relations(4), Advertising (4) Data Journalism(4) Development Communication (4)	Media and Cultural Studies(4)					0	20		
<b>UG diploma after completing 2 years (Additional 4 Credit Skill based Voc)</b>								<b>40</b>	<b>80</b>	<b>84</b>
V	Digital Storytelling (4) Media Laws and Ethics (4) Digital Filmmaking (4)	Health Communication (4)	0	0	0	0	Project (2) Community Engagement(2)	<b>20</b>		

VI	Event Management (4) Entertainment and OTT Media (4) Brand Communication and Management(4) Media Industry and Management(4)	Media and Public Policy (4)				0	0	20		
<b>Bachelor's degree after completing 3-year</b>								<b>40</b>	<b>120</b>	<b>120</b>
VII	Media Research(4), Digital Humanities(4) Global Communication(4) Media Advocacy and Governance(4)	Media Sociology(4)						20		
VIII	Research Ethics (4)	Digital Media and Entrepreneurship (4)					Dissertation(12)	20		
<b>4-year UG Degree (Honours with Research)*</b>								<b>40</b>	<b>160</b>	<b>160</b>

**Table 4: Programme Structure and Credit Distribution of 3-Year BA(Economics) and 4- Year BA-Economics(Hons) with Research**

Semester	Disciplinary Major/Core	Interdisciplinary Minor	Multidisciplinary	AEC	SEC	VAC	Project/ Internship	Total	
I	1. Microeconomics (4)	1. VOC paper (4)	Principles of Management (3)	English Language (3)	IT skills	1. Environmental Science/Education (2) 2. Health & Wellness(1)		20	Certificate (After Completing Project)

II	1. Macroeconomics (4)	2. VOC paper (4)	Course no 2 Statistics (3)	Academic & Professional Writing (3)	Economic Modelling and Analysis with excel (3)	3. Indian Knowledge System(IKS) (3)		20	
III	1. Advance Microeconomics (4)	1.Advance Statistics(4) (Minor) 2.Entrepreneurship (4)	Course no 3 (From other school) (3) Financial Institution and Market (3)	Business Communication (2)	Introduction to 'R' (3)			20	Diploma
IV	1.Advance Macroeconomics 2.Economics of Growth and Development 3.Mathematical Economics-I	1.Responsible Business 2.OM (Minor)						20	
V	1.Indian Economy 2.Public Economics 3.Mathematical Economics-II 4. Money and Banking						1.Summer Project 2.Community Engagement (2 credit each)	20	Degree with honours
VI	1.Basic Econometrics 2.International Economics 3.Financial Economics 4.Behavioural Economics 5.Research Methodology							20	



Semester	Major & Minor					Research	Interdisciplinary	Total credit	
VII	1.Applied Econometrics 2.Agricultural Economics 3.Environmental Economics	1. Regional Economics/Odisha Economy 2. Data Analysis in Social Science Research						20	BA Economics(H) with Research
VIII	1. Health Economics 2. Energy Economics					12 Credit of Research with Dissertation		20	

**Table 5: Programme Structure and Credit Distribution of 3-Year B. Com and 4- Year B. Com(Hons) with Research**

Semester	Interdisciplinary Major		Interdisciplinary Minor		MDC	AEC	SEC	Value-added	Project	Total	
	Accounting & Taxation	Finance & Banking	Marketing & Mgt.	Statistics & Analytics							
I	Financial Accounting-1		Business Organisation Management		<b>Business Laws</b>	Language-1	Personality Development & Corporate Readiness	Environmental Science (2 credit)			
								Health & Wellness (1 credit)			
	4		4		<b>3</b>	3	3	3	<b>0</b>	<b>20</b>	
II	Financial Accounting-2		New Venture Planning & Development		<b>Photography</b>	Language-2	Spreadsheet for Business	Indian Knowledge System			
	4		4		<b>3</b>	3	3	3	<b>0</b>	<b>20</b>	

	<b>8</b>		<b>8</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>0</b>		<b>40</b>	
	<b>Additional 4 Credit SIP/ Voc</b>										<b>4</b>		<b>44</b>	
<b>III</b>	Financial Management		Business Statistics		Indian Economy		Business Comm. & Soft Skill		Quantitative & Logical Thinking					
	Cost & Management Accounting	Bank Management												
	<b>8</b>		<b>4</b>		<b>3</b>		<b>2</b>		<b>3</b>		<b>0</b>		<b>20</b>	
<b>IV</b>	Corporate Law		Marketing Mgt.											
	Corporate Accounting	Securities Market Operations												
	Auditing & Corporate Governance	Insurance & Risk Management												
	Forensic Accounting	Financial Markets & Institutions												
	<b>16</b>		<b>4</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>20</b>	
	<b>24</b>		<b>8</b>		<b>3</b>		<b>2</b>		<b>3</b>		<b>0</b>		<b>80</b>	
	<b>Additional 4 Credit Skill based VoC</b>										<b>4</b>		<b>84</b>	
<b>V</b>	Income Tax Law & Practice		Human Resource Mgt.	Business Mathematics										
	Corporate Reporting													
	Financial Statement Analytics	Personal Finance & Planning												
	<b>12</b>		<b>4</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>4</b>	
	<b>24</b>		<b>8</b>		<b>3</b>		<b>2</b>		<b>3</b>		<b>0</b>		<b>80</b>	

<b>VI</b>	Corporate Restructuring & Business Valuation		OB	Data Visualisation							
	GST & Customs Duty	Financial Technology									
	Corporate Tax Planning	Investment Analysis & Portfolio Management									
	Accounting Standards	Financial Regulations									
	<b>16</b>		<b>4</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	
	60		<b>24</b>		<b>9</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>4</b>	<b>120</b>	<b>120</b>
<b>VII</b>	Data Analytics in Business Decision		Business Research Methodology								
	Financial Modelling & Derivatives										
	Advanced Management Accounting	International Financial Mgt.									
	Advanced Auditing	Financial Risk Management									
	<b>16</b>		<b>4</b>							<b>20</b>	
<b>VIII</b>	Recent Topics in Accounting & Finance		Digital Marketing	Project Management					Systematic Literature Review		
									Publication/Conference Presentation		
									Final Project & Viva		
	<b>4</b>		<b>4</b>						<b>12</b>	<b>20</b>	<b>160</b>

							<b>* In place of Project</b>		
							International Business		
							Foreign Trade Policy & Investment		
							Entrepreneurship		
							<b>12</b>		

**Table 6: Semester wise distribution of different types of Courses and Credits for 3-Year BCA/BSC(Data Science) and 4-Year BCA/BSC-Data Science (Hons) with Research**

- For 3-year BCA/BSC-Data Science: 16 major courses, 7 minor/interdisciplinary (including 3 VoC Training) courses
- For 4-year BCA/BSC-Data Science (Hons) with Research: 21 Major courses, 9 minor (including 1 RM) course, plus dissertation

Semester	Major	Minor	MDC	AEC	SEC	Value-Added	Project	Total	Final Credit without EXIT option	Final credit with EXIT option
I	4	4	3	3	3	3	0	20		
II	8	4	3	3	3	3	0	24		
<b>UG certificate after completing 1 year (Additional 4 Credit SIP/ Voc)</b>								<b>44</b>	<b>44</b>	<b>48</b>
III	8	8	3	2	3	0	0	24		
IV	12	8	0	0	0	0		20		
<b>UG diploma after completing 2 years (Additional 4 Credit Skill based Voc)</b>								<b>44</b>	<b>88</b>	<b>92</b>
V	12	4	0	0	4	0	4	20		
VI	20	0	0	0	0	0	0	20		
<b>Bachelor's degree after completing 3-year</b>								<b>40</b>	<b>128</b>	<b>128</b>
VII	12	8						20		
VIII	8	0					12	20		
<b>4-year UG Degree (Honours with Research)*</b>								<b>40</b>	<b>168</b>	<b>168</b>

**Table 7: Programme Structure and Credit Distribution of 3-Year BCA and 4-Year BCA(Hons) with Research**

Semester	Disciplinary Major/Core	Inter disciplinary Minor	Multi disciplinary	AEC	SEC	VAC	Project/ Internship	Total
I	1. Problem Solving using C 2. Problem Solving using C Lab	Mathematical Foundations	Principles of Mgt.	1. English Communication Skills 2. English Communication Skills lab	1. Fundamentals of Computers 2. Fundamentals of Computers Lab	1.EVS 2.H & W		20
II	1. Object Oriented Programming Using Java 2. Object Oriented Programming Using Java -Lab 3. Computer System Architecture	Probability and Statistics	Indian economy	1. Technical Communication 2. Group Discussion and Debate Lab	1. Data Structure using C 2. Data Structure using C-Lab	(IKS)		24
III	1. Database Management Systems 2. Database Management Systems-Lab 3. Computer Network	1. Optimization Techniques 2. Introduction to Artificial Intelligence	Gender Justice	Visual Communication	1. Data Mining using Python 2. Data Mining using Python-Lab			24
IV	1. Operating Systems 2. Operating Systems-Lab 3. Design Analysis and Algorithm 4. Cloud Computing	1. Web Technology 2. Web Technology lab 3. Machine Learning 4. Machine Learning-lab						20

V	<ol style="list-style-type: none"> <li>1. Cloud Computing Management</li> <li>2. Cloud Computing Management Lab</li> <li>3. DSE-1</li> <li>4. DSE-1 Lab</li> <li>5. DSE-II</li> <li>6. Introduction to IOT</li> </ol>						<ol style="list-style-type: none"> <li>1 Social Responsibility and Community Engagement</li> <li>2 Internship (2 credit each)</li> </ol>	20
VI	<ol style="list-style-type: none"> <li>1. Theory of Computation</li> <li>2. Cryptography and Network Security</li> <li>3. DSE-III</li> <li>4. Seminar</li> <li>5. Project Development</li> </ol>							20

**4<sup>th</sup> YEAR (Hons.)**

**\*Nomenclature of the courses is not final.**

VII (Hons.)	<ol style="list-style-type: none"> <li>1.DSE-IV</li> <li>2.Introduction to Big Data</li> <li>3. Blockchain Technologies</li> </ol>	<ol style="list-style-type: none"> <li>1. Research Methodology</li> <li>2. Data Visualization Techniques</li> <li>3. Data Visualization Techniques-Lab</li> </ol>						20
VIII	<ol style="list-style-type: none"> <li>1.Cyber Security</li> <li>2. Machine Learning using R</li> </ol>						<ol style="list-style-type: none"> <li>1. Seminar/Research Report writing and presentation</li> <li>2. Research Report/Industrial Training (12 Credit)</li> </ol>	20

**Table 8: Programme Structure and Credit Distribution of 3-Year BSC (Data Science) and 4-Year BSC-Data Science (Hons) with Research**

- For 3-Year BSC (Data Science): 16 major courses, 7 minor/interdisciplinary (including 3 VoC Training) courses
- For 4-Year BSC-Data Science (Hons) with Research: 21 Major courses, 9 minor (including 1 RM) course, plus

Semester	Disciplinary Major/Core	Interdisciplinary Minor	Multidisciplinary	AEC	SEC	VAC	Project/Internship	Total
I	1. Problem Solving using C 2. Problem Solving using C Lab	Mathematical Foundations	Principles of Management	1. English Communication Skills 2. English Communication Skills lab	1. Fundamentals of Computers 2. Fundamentals of Computers Lab	1.EVS 2.H & W		20
II	1. Object Oriented Programming Using Java 2. Object Oriented Programming Using Java - Lab 3. Computer System Architecture	Probability and Statistics	Indian Economy	1. Technical Communication 2. Group Discussion and Debate Lab	1. Data Structure using C 2. Data Structure using C-Lab	IKS		24
III	1. Data Mining using Python 2. Data Mining using Python-Lab 3. Introduction to Artificial Intelligence	1. Computer Network Introduction 2. Optimization Techniques	Gender Justice	Visual Communication	1. Database Management 2. Database Management Systems-Lab			24
IV	1. Operating Systems 2. Operating Systems-Lab 3. Design Analysis and Algorithm 4. Cloud Computing	1.Web Technology 2.Web Technology lab 3.Machine Learning 4.Machine Learning-lab						20
V	1. Data Visualization and Interpretation						1. Social Responsibility and	20

	<ul style="list-style-type: none"> <li>2. Data Visualization and Interpretation-Lab</li> <li>3. DSE-1</li> <li>4. DSE-1 Lab</li> <li>5. DSE-II</li> <li>6. Introduction to IOT</li> </ul>						<ul style="list-style-type: none"> <li>Community Engagement</li> <li>2. Internship</li> <li>3. (2 credit each)</li> </ul>	
VI	<ul style="list-style-type: none"> <li>1. Theory of Computation</li> <li>2. Cryptography and Network Security</li> <li>3. DSE-III</li> <li>4. Seminar</li> <li>5. Project Development</li> </ul>							20

**4<sup>th</sup> YEAR (Hons.)**

VII (Hons.)	<ul style="list-style-type: none"> <li>1. DSE-IV</li> <li>2. Introduction to Big Data</li> <li>3. Blockchain Technologies</li> </ul>	<ul style="list-style-type: none"> <li>1. Research Methodology</li> <li>2. Robotics and Intelligent Systems</li> </ul>						20
VII	<ul style="list-style-type: none"> <li>1. Cyber Security</li> <li>2. Machine Learning using R</li> </ul>						<ul style="list-style-type: none"> <li>1. Seminar/Research Report writing and presentation</li> <li>2. Research Report/ Industrial Training</li> <li>3. (12 Credit)</li> </ul>	20

*\*Nomenclature of the courses is not final.*

**Table 9: Structure and Credit Distribution of Five Year Integrated BBA, LL.B (HONS)**



Semester	Disciplinary major/Core	Interdisciplinary Minor	MDC	AEC	SEC	VAC	Total Credit
I	4	12	3	4	4	3	30
II	8	12	3	4	0	3	30
III	12	12	3	0	0	0	27
IV	12	12	0	0	0	0	24
V	20	4	0	0	0	0	24
VI	24	0	0	0	0	0	24
VII	16	0	0	4	4	0	24
VIII	16	4	0	0	4	0	24
IX	20	0	0	0	4	0	24
X	8	0	0	12	4	0	24
<b>Total</b>	<b>140</b>	<b>56</b>	<b>9</b>	<b>24</b>	<b>16</b>	<b>6</b>	<b>255</b>

**Table 10: Programme Structure and Credit Distribution of 5-Year BBA,LLB(H)**

- **20 Major courses in law+ 12 Compulsory Clinical Courses, 12 Major courses in Business Management, to be treated as minor /interdisciplinary courses plus 2 English language courses (including 1 RM/Legal Methods), Research article for a 5 year UG program**

Semester	Disciplinary/Core	Interdisciplinary	Multidisciplinary	AEC	SEC	VAC	Project/ Internship	Total
I	1. Law of Contractt-1 (4 Credits)	1. Principles of Management (4 Credits)	1. Paper-3 credits	1. General English and Legal Language-I (4 Credits)	1. Legal Methods (4 Credits)	1. EVS 2. Health Wellness (2+1 Credit)		30 credits

		2. Financial Accounting (4 Credits) 3. Principles of Marketing (4 Credits)						
II	1. Law of Torts (4 Credits) 2. Law of Contract-II (4 Credits)	1. Business (Micro) Economics (4 Credits) 2. Business Statistics (4 Credits) 3. Organisational behaviour (4 Credits)	1. Paper-(3 Credits)	1. General English and Legal Language-II (4 Credits)	Communication skills	3. IKS (3 Credits)	INTERNSHIP	30 Credits
III	1. Family Law-1 (4 Credits) 2. Constitutional Law-I (4 Credits) 3. Indian Penal Code (4 Credits)	1. Macro Economics (4 Credits) 2. Cost and Management Accounting (4 Credits) 3. Human Resource Management (4 Credits)	1. Paper (3 Credits)				INTERNSHIP	27
IV	1. Family Law-II (4 Credits) 2. Constitutional Law-II (4 Credits) 3. LAW OF CRIME-II (4 Credits) 4. Media Law and IT Act (4 Credits)	1. Financial Management (4 Credits) 2. Strategic Management and Business Policy (4 Credits)					INTERNSHIP	24

V	1. Jurisprudence (4 Credits) 2. Law of Evidence (4 Credits) 3. Corporate Law-I (4 Credits) 4. Public International Law (4 Credits) 5. IPR Management and Litigation (4 Credits)	1. Corporate Accounting (4 Credits)					Internship	24
VI	1. Corporate Law-II (4 Credits) 2. Private International Law (4 Credits) 3. Banking Law and N. I. Act (4 Credits) 4. T. P. Act (4 Credits) 5. Code of Civil Procedure (4 Credits) 6. Principles of Taxation Law (4 Credits)	--		-	-		Internship	24
VII	1. Environmental Law (4 Credits) 2. Labour and Industrial Law-I (4 Credits)			1. Interpretation of Statutes (4 Credits)	1. Clinical Paper-I: Alternate Dispute Resolution (4 Credits)		Internship	24

	3. Honours Elective -1 (4 Credits) 4. Honours Elective-II (4 Credits)							
VIII	1. Labour and Industrial Law II (4 Credits) 2. Human Rights Law, Legal Aid and PIL (4 Credits) 3. Honours Elective-III (4 Credits) 4. Honours Elective-IV (4Credits)	1. Law and Medicine (4 Credits)			1. Clinical Paper II: Drafting, Pleading & Conveyance (4 Credits)		Internship	24 Credits
IX	1. Gender Justice & Jurisprudence (4 Credits) 2. Administrative Law (4 Credits) 3. Bankruptcy and Insolvency (4 Credits) 4. Honours Elective-V 5. Honours Elective-VI				1. Mediation with Conciliation (4 Credits)		Internship	24 Credits
X	1. Honours Elective-VII (4 Credits) 2. Honours Elective-VIII (4 Credits)			1. Professional Ethics and Professional Accounting (4 Credits)	1. Moot Court Exercise and Internship (4 Credits)		Internship	24

				2. Seminar Course: Right to Information (4 Credits)				
				3. Seminar Course: Advocacy Skills/Client Management (4 Credits)				

***\*Nomenclature of the courses is not final.***

***Total credits as per the present course structure -240***

***Proposed Credit upon implementation Of NEP- 255***

***\*There shall be no lateral entry on the plea of graduation in any subject or exit by way of awarding a degree splitting the integrated double degree course, at any intermediary stage of integrated double degree course.***

## 5. Guidelines for Learning Assessment and Examinations

Assessment of Learning and Examinations shall be done as per the detailed guidelines for Outcome-based Learning Framework and Examinations of the university. However, following broad guidelines are suggested:

- a. Assessment of Students' learning shall be done through continuous evaluation process (i.e. 40%) and End Semester University examinations (i.e. 60%).
- b. Continuous evaluation mechanisms shall include Quiz, Case-study, Assignment, Presentation, Short-term projects, written test (at least any 3 of these components to be decided by the faculty in-charge of the course for- 35% of marks) and Class Participation/ Attendance – 5% of marks.
- c. University examinations shall be conducted at the end of the Semester for which two sets of question papers per course shall be prepared by the course faculty and moderated by a Question Paper Moderation Board, constituted by each school of the university.
- d. Course learning outcomes will be based on the following:
  - a) Time-constrained examinations
  - b) Closed-book and open- book tests
  - c) Problem-based assignments
  - d) Practical assignments, laboratory reports, observation of practical skills, individual project reports (case-study reports) and team project reports
  - e) Oral presentations (seminar presentation; viva voce interviews; computerized adaptive assessment, examination on demand, modular certifications)
- e. The Board of Studies will review and modify the System of Examinations, if required. The examiners will be decided by the Faculty Council of the respective School. There will be a Board for Conducting Examiners to review and pass the results.
- f. Examinations of all UG Programmes will be planned as per Academic Calendar of the University in order to declare Semester results and to award grades/Certificates/Diplomas/Degrees to students studying multi-disciplinary courses from different streams.
- g. Notification of the University Examinations will be done before one month of commencement of examinations.
- h. The result will be published within 7 working days from the date of last examination held.
- i. Students can apply for re-checking with fees for any subject within 15 days of declaration of results. Re-checking results will be declared within 7 working days.
- j. Improvement/Re-appearance: Once a student passes in a subject, he/she cannot re-appear for that subject.

### 3. Guidelines and Timeline for Implementation

Detailed guidelines for implementation of NEP 2020 shall be prepared after approval of the suggested broad guidelines and Curriculum Framework for Undergraduate Programmes. However, the Task Force suggests following few broad guidelines and timeline for initial phase of implementation of NEP 2020.

- a. The NEP Implementation Task Force will create a forum for discussion to understand the NEP guidelines as advised by the University Grants Commission. For steering the NEP implementation activities at the school level, the Task Force has suggested School Level NEP implementation Committees (Details annexed at Annexure-II).
- b. A Common Board of Studies(CBoS) of the university may be constituted to review the suggested Curriculum Framework for all streams/schools. Detailed syllabi of UG Programmes of different streams/schools shall be prepared as per NEP 2020 guidelines which will be reviewed by the respective stream specific Board of Studies. After the approval of the Common Board of Studies, and approval of the Academic Council of the university the programmes will be implemented.
- c. Possibility of combined classes for developing peer learning process needs to be explored.
- d. Necessary infrastructure and technologies are to be made available to accommodate the changed curriculum framework.
- e. A uniform single time table for the university as a whole, for both teaching and evaluation, should be given priority to facilitate the teachers and students for smooth functioning. The syllabus and the program structure must focus on the successful fulfillment of the objectives set by the NEP 2020.

A timeline for initial phase of implementation of NEP 2020 is suggested below.

Sl No.	Proposed Activities/ Items of Work	Proposed Date of Completion
1	Preparation of Syllabi of all UG Programmes as per NEP	20 April 2023
2	Meeting of the combined Board of Studies & School wise Board of Studies-Presentation of the Programme Structure & Syllabi	28 April 2023
3	Preparation of the final draft Programme Structure & Syllabi incorporating suggestions of the Common Board of Studies/BoS	5 May 2023
4	Academic Council Meeting	15 May 2023
5	Finalization of Academic Calendar 2023-24 and Detailed Guidelines for Implementation of NEP 2020	Last week of May 2023