ST. ALOYSIUS' COLLEGE

AUTONOMOUS
JABALPUR- 482001
MADHYA PRADESH, INDIA

Inclusivity and Equity

4 QUALITY EDUCATION

CRITERION-1

CURRICULAR ASPECTS

Key Indicator – 1.2

Academic Flexibility

Metric No.: 1.2.1

Percentage of New Courses Introduced out of the total number of courses across all programmes offered during the last five years.

Document Name

Consolidated number of courses offered by the institution across all Programmes

Consolidated number of courses offered by the institution across all Programmes (without repeat count) during the last five years
2019-2020
Doctor of Philosophy (PhD)

1	Doctor of Philosophy in Physics
2	Doctor of Philosophy in Chemistry

Bachelors of Computer Application (CBCS)	
3	Computer System Architecture
4	Software Engineering
5	Object Oriented Modeling and Design using UML
6	Computer Oriented Statistical Analysis
7	Java with GUI and Javascript
8	Automata Theory
9	Computer Graphics
10	Relational Database Management System
11	Operation Research
12	Advanced Java Programming and Web Technology

Masters of Science-Botany and Microbiology (CBCS)	
13	Bacteriology
14	Virology
15	Mycology
16	Biomolecules
17	Bioenergetics and intermediary Metabolism
18	Practical based on Paper I & II
19	Practical based on Paper III & IV/V
20	Molecular Biology and Recombination DNA Technologygy

21	Microbial Genetics
22	Biostatistics and Computer Application
23	Biology of the Immune System
24	Microbial Metabolism
Masters of Science-Chemistry and Biochemistry (CBCS)	
25	Inorganic Chemistry
26	Organic Chemistry
27	Physical Chemistry
28	Spectroscopy I
29	Maths for Chemist and Computers
30	Biology for Chemist and Computers
31	Inorganic Chemistry
32	Organic Chemistry
33	Physical Chemistry
34	Spectroscopy II
35	An Analytical Chemistry
36	Photochemistry
Masters of Science -Physics (CBCS)	
37	Mathematical Physics
38	Classical Mechanics
39	Digital Electronics & Electronic Devices
40	Computational Methods and programming
41	Quantum Mechanics-I
42	Statistical Mechanics
43	Electrodynamics & Plasma Physics
44	Condensed Matter Physics

45	Quantum Mechanics
46	MSC III Nuclear and Particle Physics
47	MSC III Computational Physics using Mathematics
48	MSC III Condensed Matter Physics
49	MSC III Electronics
50	MSC IV Atomic and Molecular Physics
51	MSC IV Physics of Nanomaterials
52	MSC IV Electronics
53	MSC IV Condensed Matter Physics
54	MSC IV Physics of Lasers its Application
Masters of Science - Biotechnology (CBCS)	
55	Cell & Developmental Biology (Core)
56	Biomolecules (Core)
57	Molecular Biology (Core)
58	Analytical Techniques (Core)
59	Immunology (Core)
60	Microbiology and Industrial Applications (Core)
61	Genetic Engineering (Core)
62	Biostatistics and Bioinfomatics (Core)
63	Environment and Elementary Ecology
64	Basics of Management (Elective)
Masters of Science- Zoology (CBCS)	
65	Biosystematics Taxanomy and Evolution
66	Structure and Function of Invertebrates
67	Quantitative Biology, Biodiversity and wild life
68	Biomolecules and structural Biology

69	MSC Entomology I ELECTIVE
70	MSC Wildlife Conservation I
71	General and Comparative Animals Physiology and Endocrinology
72	Population Ecology and Environmental Physiology
73	Tools and Techniques in Biology
74	Molecular Cell Biology and Genetics
75	MSC Applied Entomology II ELECTIVE
76	MSC Environment and Biodiversity Conservation II ELECTIVE
Masters of Science- Mathematics (CBCS)	
77	Advance Abstract Algebra - I
78	Real Analysis - I
79	Topology - I
80	Complex Analysis- I
81	Functional Analysis- I
82	Integral Transform
83	Advance Abstract Algebra - II
84	Real Analysis - II
85	Ordinary and Partial Differential Equations
86	Complex Analysis- II
87	Number Theory
88	Topology - II
Masters of Arts - English (CBCS)	
89	Poetry
90	Drama
91	Fiction
92	Prose

93	Poetry- II
94	Drama - II
95	Fiction - II
96	Prose - II
Masters of Arts - Economics (CBCS)	
97	Micro Economic Analysis-I
98	Macro Economic Analysis
99	Quantitative Techniques
100	Economic of Growth and Development
101	Micro Economic Analysis-II
102	Monetary Economics and Banking
103	Statistical Inferences and Research Methodology
104	International Economics
Masters of Arts - Political Science (CBCS)	
105	Indian Political Thoughts
106	International Politics and Contemporary Political Issues
107	Major Ideas and Issues In Public Administration
108	Western Political Thoughts
109	State Politics In India
110	International organisation
Masters of Commerce (CBCS)	
111	Research Methodology
112	Management Concepts and Organization Behaviour
113	Managerial Economics
114	Financial and cost Accounts
115	Financial Management (Core Elective)

116	Financial and cost Accounts (Core Elective)
117	Marketing Management (Core Elective)
118	Advertising and Sales Management (Core Elective)
119	Accounting for Managerial Decisions
120	Corporate legal Framework
121	Statistical Analysis
122	Investment Management (Core Elective)
123	Project Planning and Management (Core Elective)
124	Consumer Behaviour (Core Elective)
125	Strategic Marketing (Core Elective)
Bachelors of Computer Application and Computer Science	
126	Fundamental of Computers and PCSoftware
127	Computer System Architecture
128	Programming & Problem Solving through C
129	Internet & Web Technology
130	Cyber Security
131	Discrete Mathematics & Algebra
132	Data Structures using C++
133	Database Management System
134	Internet of Things and Python Programming
135	Operating System with UNIX /LINUX
136	Accounting and Financial Management
137	Computer Oriented Numerical Methods
138	Object Oriented Programming Using Java
139	Computer Networks
140	Web Programming

141	Management Information System
142	Computer Graphics and Multimedia
143	Cloud Computing
Bachelors of Science - Botany	
144	Diversity of Higher plants
145	Diversity of lower plant
146	Fundamental of Industrial Microbiology and Techniques
147	Microbiol biochemistry and Immunology
148	Microbial Physiology and Metabolism
149	Microbial Genetics and Molecular Biology
150	Fermentation technology and Biostatistics
151	Agricultural Environment and Industrial Microbiology
152	Structure development and reproduction of Flowering Plants
153	Plant ecology Biodiversity and Phytogeography
154	Plant physiology and Biochemistry
155	Cell Biology, Genetic and Biotechnology
Bachelors of Science - Chemistry	
156	Physical Chemistry-I
157	Inorganic Chemistry-II
158	Organic Chemistry-I
159	Physical Chemistry-II
160	Inorganic Chemistry-II
161	Organic Chemistry-II
162	Physical Chemistry-III
163	Inorganic Chemistry-III
164	Organic Chemistry-III

	Bachelors of Science - Physics
165	Mathematical Physics, Mechanics and Properties of Matter
166	Thermodynamics and Statistical Physics
167	Optics
168	Electrostatics, Magnetostatistics and Electrodynamics
169	Quantum Mechanics and Spectroscopy
170	Solid State Physics and Devices
	Bachelors of Science - Biotechnology
171	Cell Structure and Biology
172	Microbiology
173	Biophysics and Biochemistry
174	Bioinstrumentation, Biostatics and Bioinformatics
175	Genetics & Genetic Engineering
176	Biotechnology and Applications
	Bachelors of Science - Zoology
177	Invertebrates
178	Cell Biology and Development Biology
179	Vertebrates and evolution
180	Animal Physiology and Biochemistry
181	Genetics
182	Ecology and Applied Zoology
	Bachelors of Science - Mathematics
183	Algebra and Trignometry
184	Calculus and Differential Equation
185	Vector Analysis and Geometry
186	Abstract Algebra

187	Advanced Calculus
188	Differential Equations
189	Linear Algebra and Numerical Analysis
190	Real and Complex Analysis
191	Discrete Mathematics & Algebra
Bachelors of Arts - English	
192	Poetry
193	Prose
194	Drama
195	Fiction
196	Contemporary Literature
197	Indian Writing in English
198	Phonetics & Spoken English
199	Functional Grammar
200	Functional Grammar
201	Writing Skills
202	- Writing Skills
203	Functional English
Bachelors of Arts - Hindi	
204	Izkkphu ,oa e/;dkyhu dkO;
205	ganh dFkk lkfgR;
206	vokZphu fganh dkO;
207	fganh Hkk"kk&lkfgR; dk bfrgkl vkSj dkO;kax foospu
208	fganh ukVd] fuca/k rFkk LQqV x|&fo/kk,¡ ,oa cqUnsyh Hkk"kk&lkfgR;
209	jktHkk"kk ,oa dk;kZy;hu fgUnh
210	i=dkfjrk ,oa Hkk"kkUrj.k

211	Izk;kstuewyd fganh
212	Izklkj.k ,oa m|ferk ds fl/nkar
213	daI;wVj vkSj fganh
Bachelors of Arts - Economics	
214	Micro Economics
215	Indian Economy
216	Macro Economics
217	Public Finance and International Economics
218	Development and Environmental Economics,
219	Statistics-
Bachelors of Arts - Political Science	
220	Basic Principles of Political Science
221	Indian Government and Politics
222	Representative Political Thinkers
223	Constitutions of Major Countries
224	Indian Foreign Policy
225	Public Administration
Bachelors of Arts - History	
226	History of India
227	Western world
228	History of India
229	Main Currents of world History
230	History of India
231	History of India
Bachelors of Commerce	
232	Financial Accounting

233	Business Mathematics
234	Business Law
235	Business Organisation and communication
236	Micro Economics
237	Macro Economics
238	Direct Tax System: Income Tax
239	Goods and Service Tax
240	Corporate Accounting
241	Cost Accounting
242	Principles of Statistics
243	Principles of Management
244	Indian Companies Act
245	Indian Banking System And Insurance
246	Income Tax:Procedure and Practise
247	Advance Study of goods and service Tax
248	(Income Tax Law & Practice
249	Goods and Services Tax and Custom Duty
250	Auditing
251	Management Accounting
252	Public Finance
253	Financial Management
254	Principles of Marketing
255	International Marketing
Bachelors of Business Administrative	
256	Principles of Management
257	Communication Skills

258	Micro Economics
259	Business Statistics
260	Financial Accounting
261	Business Mthematics
262	Marketing Managment
263	Marketing Research
264	Financial Managment
265	Project Managment
266	Human Research Managment
267	Organisational Behaviour
268	Entrepreneurial Development
269	Management Information system
270	Business Environment
271	Business law
272	Consumer Behaviour
273	Advertisment Managment and Sales Promotion
274	Service and Digital Marketing
275	Working capital Mangment
2020-2021	
Doctor of Philosophy (PhD)	
276	Doctor of Philosophy in Economics
277	Doctor of Philosophy in Mathematics
Masters of Science-Chemistry and Biochemistry (CBCS)	
278	MSC III Inorganic Chemistry
279	MSC III Physical Chemistry
280	MSC III Spectroscopy

281	MSC III Medicinal Chemistry
282	MSC III Polymers
283	MSC III Chemistry of Natural Products
284	MSC IV INORGANIC Chemistry
285	MSC IV Organic Synthesis Strategy
286	MSC IV Chemistry of Materials
287	MSC IV Biochemistry
288	MSC IV Bioorganic Chemistry
289	MSC IV Environmental Chemistry
Masters of Science- Microbiology (CBCS)	
290	MSC III Environment Microbiology
291	MSC III Medical Microbiology
292	MSC III Agriculture Microbiology
293	MSC III Bioprocess Engineering and Technology
294	MSC III Biotechnology (Elective)
Masters of Science- Zoology (CBCS)	
295	MSC III Comparative Anatomy of Vertebrates
296	MSC III Limnology
297	MSC III Ecotoxicology
298	MSC III Aquaculture
299	MSC III Sericulture
300	MSC III Animal Biotechnology
301	MSC IV Animal Behaviour and Neurophysiology
302	MSC IV Gamete Biology, Development and Differentiation
303	MSC IV Pure and Applied fisheries
304	MSC IV Molecular Endocrinology and Vertebrates Immune System

	Masters of Computer Application (CBCS)	
305	MSC III Advanced Computer Networks	
306	MSC III Data Mining	
307	MSC III Analysis and Design of Algorithms	
308	MSC III Artificial Intelligence	
309	MSC III Big data Analytics	
310	MSC III Digital Marketing	
311	MSC IV Compiler Design	
312	MSC IV Software Project Management	
313	MSC IV Cloud Computing	
314	MSC IV TCP/IP Concept	
315	MSC IV Cyber Security	
	Masters of Science- Mathematics (CBCS)	
316	MSC III Operations Research- I	
317	MSC III Special Functions	
318	MSC III Numerical Methods I	
319	MSC III Programming in C	
320	MSC III Functional Analysis II	
321	MSC III Advanced Discrete Mathematics	
322	MSC III Mathematical Statistics	
323	MSC IV Operational Research II	
324	MSC IV Numerical Methods II	
325	MSC IV Divergent Series	
326	MSC IV Programming in C++	
327	MSC IV Integration Theory	
328	Fuzzy Sets and their Application (Elective)	

329	MSC IV Mathematical Modeling
330	MSC IV Wavelets
Masters of Arts- Economics (CBCS)	
331	MA III Public Economics
332	MA III Industrial Economics
333	MA III Agricultural Economics
334	MA III Rural Development
335	MA III Environmental Economics
336	MA IV Indian Economy: Structure, Problems and Policy
337	MA IV Indian Foreign Trade and International Institutions
338	MA IV Financial Institutions and Markets
339	MA IV Labour Economics
340	MA IV Economics of Gender and Development
Masters of Arts- Economics (CBCS)	
341	MA III International Law
342	MA III Indian Foriegn Policy
343	MA III Comparative Politics
344	MA III Local Government
345	MA III Women and Political Participation
346	MA III Citizen and Civic Awareness
347	MA IV Political Sociology
348	MA IV Government and Politics of Madhya Pradesh
349	MA IV Political Leadership
350	MA IV Media and Politics
351	MA IV Electoral Politics in India
352	MA IV Human Rights

353	MA III Critical Theory
354	MA III English Language
355	MA III Indian Writing in English
356	MA III American Literature
357	MA III Fundamentals of Communication
Masters of Arts- English (CBCS)	
358	MA IV Critical Theory
359	MA IV English Language
360	MA IV Indian Writing in English
361	MA IV American Literature
362	MA IV Trends and Techniques of Effective Communication
363	M.COM I Principles of Direct Taxes
364	M.COM I Principles of Goods and Service Taxes
365	M.COM II Income Tax Procedure & practice
366	M.COM II Advanced Goods and Services Tax and Customs Duty
367	M.COM III Advance Income Tax
Masters of Commerce (CBCS)	
368	M.COM III Entrepreneurship, Innovation & Start-ups
369	M.COM III Portfolio Management
370	M.COM III Service Marketing Management
371	M.COM III Human Resource Management
372	M.COM IV Indirect Tax: Goods and Service Tax
373	M.COM IV Research Methodology
374	M.COM IV International Financial Management
375	M.COM IV International Marketing Management
376	M.COM IV Human Resource Development

377	M.COM IV Central, Provincial and Local Tax
378	M.COM IV Corporate Tax Planning
Masters of Science- Biotechnology (CBCS)	
379	MSC III Bioprocess Engineering & Environmental Biotechnology
380	MSC III Plant Biotechnology
381	MSC III Animal Biotechnology
382	MSC III Medical Biotechnology
383	MSC III Applied Oncology
2021-22	
Bachelors of Science- Chemistry (NEP I Year Annual)	
384	BSC I Year Paper 1 (Major)
385	Qualitative and Quantitative Chemical Analysis (Practical)
386	BSC I Year Paper II (Major)
387	Analytical Processes and Techniques (Practical)
388	BSC I Year Paper (Minor)
Bachelors of Science- Botany (NEP I Year Annual)	
389	BSC Tools and techniques in Microbiology (Major)
390	BSC Tools and techniques in Microbiology (Practical)
391	BSC Fundamentals of Industrial Microbiology (Minor)
392	BSC Fundamentals of Industrial Microbiology (Practical)
393	BSC Applied Botany (Major)
394	BSC Applied Botany Practical
395	BSC Basic Botany Paper II (Minor/Elective)
Bachelors of Science- Zoology (NEP I Year Annual)	
396	BSC Animal Diversity: Non-Chordata (Major)
397	Animal Diversity: Non-Chordata - Invertebrate (Practical)

398	BSC Cell Biology,Reproductive Biology and Development Biology (Minor/Elective)
399	BSC Cell Biology,Reproductive Biology and Development Biology (Practical)

Bachelors of Science- Physics (NEP I Year Annual)	
400	Thermodynamics and Statistical Physics (Major)
401	Thermodynamics and Statistical Physics (Practical)
402	Mechanics and General Properties of Matter (Major)
403	Mechanics and General Properties of Matter (Practical)
404	Non-Conventional Energy Sources (Minor/Open Elective)

Bachelors of Science- Biotechnology (NEP I Year Annual)	
405	BSC Cell Biology and Biochemistry (Major)
406	BSC Lab work Cell Biology and Biochemistry (Practical)
407	BSC Microbiology and Immunology (Major)
408	BSC Lab work Microbiology and Immunology (Major)

Bachelors of Science- Mathematics (NEP I Year Annual)	
409	Algebra, Vector Analysis and Geometry
410	Calculus Differential Equations

Bachelors of Computer Application (NEP I Year Annual)	
411	BCA Programming Methodologies and Data Structures (Major)
412	BCA Programming Methodologies and Data Structures (Practical)
413	BCA Computer Fundamentals, Organization and Architecture
414	BCA Computer Fundamentals, Organization and Architecture (Practical)
415	BCA Operating System
416	BCA Operating System (Lab)
417	BCA Computational Mathematics

Bachelors of Computer Science (NEP I Year Annual)	

418	BSC Computer System Architecture (Major)
419	BSC Computer System Architecture (Practical)
420	BSC Programming Methodologies and Data Structure
421	BCA Programming Methodologies and Data Structure Lab Practical
Bachelors of Arts - English (NEP I Year Annual)	
422	Paper I (Literature) - Study of Drama
423	Paper II (Literature) - Study of Poetry
424	Paper I (Functional) - Functional grammer of English
Bachelors of Arts - Hindi (NEP I Year Annual)	
425	हिंदी काव्य (पेपर 1)
426	कार्यलीनहिंदी एवं भाषा कम्पुतिंग
427	कार्यलीन प्रयोग
Bachelors of Arts - History (NEP I Year Annual)	
428	" History of India (From Earliest time to 1200 A.D)."
429	Western world (Mid fifteenth century to1870)
Bachelors of Arts - Economics (NEP I Year Annual)	
430	Micro Economics
431	Indian Economy
Bachelors of Arts - Political Science (NEP I Year Annual)	
432	Basic Principles of Political Science
433	Indian Government and Politics
Bachelors of Commerce (NEP I Year Annual)	
434	Financial Accounting
435	Business Regulatory Framework
436	Business Organisation and Communication
437	B.Com Business Economics

438	B.Com Business Mathematics
439	B.Com Banking Institution in India
440	B.Com Advertisement, Sales Promotion and Management
441	B.Com Data Processing
442	B.Com Data Processing (Practical)
Bachelors of Business Administrative (NEP I Year Annual)	
443	Group A (Paper I)Principles of Management
444	Group A(Paper II) Communication Skills
445	Group B (Paper III) Micro Economics
446	Group B (Paper IV) Business Statistics
447	Group C(Paper V) Financial Accounting
448	Group C (Paper vI) Business Mathematics
449	Foundation Course Bhasha aur Sanskriti
450	Foundation Course English Language and Indian Culture
451	Foundation Course Environmental Education
452	Foundation Course Yogic Science
2022-2023	
Masters of Computer Science (CBCS)	
453	M.SC COMPUTER SCIENCE Software Engineering and Modeling
454	M.SC COMPUTER SCIENCE Information Security
455	M.SC COMPUTER SCIENCE Big Data Analytics
Bachelors of Computer Application (NEP Semester)	
456	Computer Fundamental Organisation and Architecture
457	B.C.A Programming and Problem Solving through 'C'
458	B.C.A Programming and Problem Solving through 'C' Lab
459	BCA II Sem Data Analysis and Visulaisation using Spreadsheet

460	BCA II Sem Data Analysis and Visulaisation using Spreadsheet Lab
461	Computational Mathematics
462	BCA II Programming Using C ++ and Data Structure
463	Programming Using C ++ and Data Structure Lab (Practical)
464	Operating System
465	Operating System Lab
466	BCA II sem multimedia and Animation
467	BCA II sem multimedia and Animation Lab (Practical)
Bachelors of Computer Application (NEP Annual)	
468	BCA Data Communication and Computer Network
469	Data Base Management Systems Using PL/SQL
470	Data Base Management Systems Using PL/SQL Lab (Practical)
471	BCA Internet Applilcations using Java Programming
472	BCA Internet Applications using Java Programming Lab (Practical)
473	BCA Internet of Things
474	BCA Internet of Things (Practical)
Bachelors of Science - Computer Science (NEP Semester)	
475	BSC Computer System Architecture (Paper 1) (Sem I)
476	BSC Computer System Architecture (Paper 1) (Practical)
477	BSC programming Methodologies & Data Structures (Paper 2) (Sem I)
Bachelors of Science - Computer Science (NEP Annual)	
478	BSC Object-Oriented Programming with Java (II Year)
479	BSC Object-Oriented Programming with Java Lab (II Year)
480	BSC Computer Networks & Information Security (II Year)
481	BSC Computer Networks & Information Security Lab (II Year)
Bachelors of Science - Chemistry (NEP Semester)	

482	Fundamentals of Chemistry (Sem I)
483	Analytical Processes and Techniques (Practical)
484	Fundamentals of Chemistry Elective (Sem I)
485	Analytical Chemistry (Sem II)
486	Organic Qualitative Analysis, reactions and synthesis (Practical)
487	Analytical Chemistry (Elective) (Sem II)
Bachelors of Science - Chemistry (NEP Annual)	
488	BSC Reactions, Reagents and Mechanisms in Organic Chemistry (II year)
489	Metal complex preparation, Thermochemistry & phase equilibrium experiments (Practical)
490	BSC Transition Elements, Chemi-energetics, Phase Equilibria (II year)
491	Organic Qualitative Analysis ,reaction and synthesis
Bachelors of Science - Botany (NEP Semester)	
492	B.Sc. Applied Botany (Minor/ elective) (Sem I)
493	B.Sc. Applied Botany (Practical) (Sem I)
494	BSC Tools and Technique in Industrial Microbiology (Major) (Sem I)
495	BSC Tools and Technique in Industrial Microbiology (Practical) (Sem I)
496	BSC Basic Botany (Minor/ elective) (Sem II)
497	BSC Basic Botany (Practical) (Sem II)
498	BSC Fundamentals of Industrial Microbiology (Major) (Sem II)
499	BSC Fundamentals of Industrial Microbiology (Practical) (Sem II)
Bachelors of Science - Botany (NEP Annual)	
500	BSC Application of Industrial Microbiology (Major paper 1) (II Year)
501	BSC Application of Industrial Microbiology (Practical) (II Year)
502	BSC Physiology and Biochemistry of Microbes (Major paper 2) (II Year)
503	BSC Physiology and Biochemistry of Microbes (Practical) (II Year)
504	BSC Industrial Botany (Minor/ elective) (II Year)

505	BSC Industrial Botany (Minor/ elective) (II Year)
Bachelors of Science - Zoology (NEP Semester)	
506	Animal Diversity : Non-Chordata (Sem I)
507	Invertebrates Practical
508	Animal Diversity : Non-Chordata (Elective) (Sem I)
509	Animal Diversity : Non-Chordata Practical (Elective) (Sem I)
510	Cell Biology, Reproductive Biology and Development Biology (Sem II)
511	Cell Biology, Reproductive Biology and Development Biology Practical (Sem II)
512	Cell Biology, Reproductive Biology, and Development Biology (Elective) (Sem II)
513	Cell Biology, Reproductive Biology, and Development Biology Practical (Elective) (Sem II)
Bachelors of Science - Zoology (NEP Annual)	
514	Diversity of Chordates and Comparative Anatomy (II Year)
515	Diversity of Chordates and Comparative Anatomy (Practical) (II Year)
516	Physiology and biochemistry (year II)
517	Physiology and biochemistry Practical (year II)
Bachelors of Science - Physics (NEP Semester)	
518	Mechanics and General Properties of Matter (Sem I)
519	Mechanics and General Properties of Matter (Practical) (Sem I)
520	Mechanics and General Properties of Matter (Elective) (Sem I)
521	Mechanics and General Properties of Matter (Practical) (Elective) (Sem I)
522	Thermodynamics and Statistical Physics (Sem II)
523	Thermodynamics and Statistical Physics (Sem II)
524	Thermodynamics and Statistical Physics (Elective) (Sem II)
525	Thermodynamics and Statistical Physics (Practical) (Elective) (Sem II)
526	Non-Conventional Energy Sources (Open Elective)
Bachelors of Science - Physics (NEP Annual)	

527	BSC Waves and Optics (Year II)
528	BSC Waves and Optics Practical (Year II)
529	BSC Electricity, Magnetism and Electromagnetic theory (Year II)
530	BSC Electricity, Magnetism and Electromagnetic theory (Practical) (Year II)
Bachelors of Science - Biotechnology (NEP Semester)	
531	Cell Biology and Biochemistry (I Sem)
532	Cell Biology and Biochemistry (Practical) (I Sem)
533	Microbiology and Immunology (II Sem)
534	Microbiology and Immunology (Practical) (II Sem)
Bachelor of Science - Biotechnology (NEP Annual)	
535	Basic Molecular Biology (Year II) (Major)
536	Lab work for Basic Molecular Biology
537	Recombinant DNA Technology (Year II) (Major)
538	Lab work for Recombinant DNA Technology
Bachelors of Science - Mathematics (NEP Semester)	
539	BSC Algebra, Vector Analysis and Geometry (Major) (Sem I)
540	BSC Algebra, Vector Analysis and Geometry (Elective) (Sem I)
541	BSC Calculus and Differential Equations (Sem II)
542	BSC Calculus and Differential Equations(Elective) (Sem II)
Bachelors of Science - Mathematics (NEP Annual)	
543	BSC Advanced Calculus and Partial Differential equations (Minor)(II Year)
544	BSC Abstract Algebra and Linear Algebra(Major) (II YEAR)
Bachelors of Arts - English (NEP Semester)	
545	BA Introduction and Functions of language
546	BA English Language and Foundation
547	BA Study of Prose

	Bachelors of Arts - English (NEP Annual)	
548	BA Study of Fiction
549	BA Communicative English

	Bachelors of Arts - Hindi (NEP Semester)
550	हिंदी काव्य (पेपर 1) (Major/Minor)(Sem I)
551	हिंदी साहित्य (Elective) (Sem I)
552	प्रयोजनमूलक हिन्दी परिचय एवं विविध रूप (Major/Minor) (Sem I)
553	प्रयोजनमूलक हिन्दी परिचय एवं विविध रूप (Elective) (Sem I)
554	कार्यआलीन हिंदी एवंम भाषा कंप्यूटिंग(Sem II)
555	कार्यआलीन हिंदी एवंम भाषा कंप्यूटिंग (Elective) (Sem II)
556	प्रयोजनमूलक हिंदी : करलिय प्रयोग (Major/Minor)
557	प्रयोजनमूलक हिंदी : करलिय प्रयोग (Elective) (Sem II)

	Bachelors of Arts - Hindi (NEP Annual)
558	हिंदी गध (दीत्य वर्ष)
559	आनुवाद विज्ञान दीत्य वर्ष
560	हिंदी अवं कम्पूटर अनुप्रयोग (Year II)

	Bachelors of Arts - History (NEP Semester)
561	Idea of Bharat (Sem I)
562	Idea of Bharat (Elective) (Sem I)
563	History of Ancient India (From Early to 1205 AD) (Sem II)

	Bachelors of Arts - History (NEP Annual)
564	History of Medieval India (From1206 to 1739 AD)
565	History of Modern India (From 1740 to 1947 AD) (Year II)

	Bachelors of Arts - Economics (NEP Semester)
566	Micro Economics (Sem I)
567	Micro Economics (Elective) (Sem I)

568	Indian Economy (Sem II)
569	Indian Economy: An Introduction (Elective) (Sem II)

Bachelors of Arts - Economics (NEP Annual)	
570	Macro Economics (Year II)
571	Money, Banking and Public Finance (Year II)

Bachelors of Arts - Political Science (NEP Semester)	
572	Political Theory (Sem I)
573	Political Theory (Elective) (Sem I)
574	Indian Constitution (Sem II)
575	Indian Constitution (Elective) (Sem II)

Bachelors of Arts - Political Science (NEP Annual)	
576	Western Political Thought (Year II)
577	BA Indian Political Thinkers (Year II)

Bachelors of Commerce (NEP Semester)	
578	Financial Accounting (Sem I)
579	Business Organisation (Sem I)
580	Banking and Insurance I (Sem I)
581	Advertising and Sales Promotion- I (Sem I)
582	Business Economics- I(Sem I)
583	Business and Vedic Mathematics - I (Sem I)
584	Data Processing Software - I (Sem I)
585	NCC Awareness I (Sem I)
586	Business Regulatory Framework (Sem II)
587	Business Comunication for Managers (Sem II)
588	Banking and Insurance II (Sem II)
589	Advertising and Sales Promotion- II (Sem II)

590	Business Economics- II(Sem II)
591	Business and Vedic Mathematics- II (Sem II)
592	Basic of programming methodology and data base II (Sem II)
593	NCC Awareness II (Sem II
Bachelors of Commerce (NEP Annual)	
594	Corporate Accounting (II Year)
595	Cost Accounting (II Year)
596	Business Stastistics (II Year)
597	Principles of Management (II Year)
598	Corporate Law (II Year)
599	Applied Economics (II Year)
600	Financial Market Operation (II Year)
601	Introduction to ASP.NET and C# (II Year)
602	NCC Awareness
Bachelors of Business Administrative (NEP Semester)	
603	Business Management
604	Business Statistics
605	Business Mathematics
606	Micro Economics
607	Communication skills
608	Financial Accounting
609	Business Statistics
610	Financial Accounting (Elective)
611	Business Stastistics (Elective)
612	Business Mathematics (Elective)
Bachelors of Business Administrative (NEP Annual)	

613	Human Resource Management (II Year)
614	Organisational Behaviour (II Year)
615	Marketing Management (II Year)
616	Marketing Research (II Year)
617	Financial Management (II Year)
618	Financial Market and Financial Services (II Year)
Foundation Course (NEP Semester)	
619	Foundation Course Bhasha aur Sanskriti (Sem I)
620	Foundation Course English Language and Indian Culture (Sem I)
621	Foundation Course Environmental Education (Sem II)
622	Foundation Course Yogic Science (Sem II)
Foundation Course (NEP Annual)	
623	Startup and Entrepreneurship(II Year)
624	Women Empowerment (II Year)
2023-2024	
Doctor of Philosophy (PhD)	
625	Doctor of Philosophy in Commerce
Bachelor of Science - Chemistry (NEP Semester)	
626	Reactions, Reagents and Mechanisms in Organic chemistry (Theory)(III Sem)
627	Reactions, Reagents and Mechanisms in Organic chemistry (Elective) (III Sem)
628	Organic Qualitative Analysis, reactions and synthesis(Practical)
629	Transition Elements, Chemienergetics, Phase Equilibria(Theory) (IVSem)
630	Transition Elements, Chemienergetics, Phase Equilibria(Elective) (IVSem)
631	Metal complex preparation, Thermochemistry & phase equilibrium experiments (Practical)
Bachelor of Science - Chemistry (NEP Annual)	
632	Instrumental Techniques in Chemistry(Major) (III Year)

633	Instrumental Techniques in Chemistry(Practical) (III Year)
634	Bio- Physical, Bioinorganic and Organometallic compound (Major) (III Year)
635	Bio- Physical, Bioinorganic and Organometallic compound
636	Pharmaceutical and Medicinal Chemistry (III Year)
637	Pharmaceutical and Medicinal Chemistry (Practical) (III Year)
Bachelor of Science - Botany (NEP Semester)	
638	Plant Anatomy and Embryology (Minor) (III Sem)
639	Plant Anatomy and Embryology (Practical) (III Sem)
640	Plant Anatomy and Embryology (Elective) (III Sem)
641	Plant Anatomy and Embryology (Practical) (III Sem)
642	Industrial Botany (Minor) (IVSem)
643	Industrial Botany (Practical) (IVSem)
644	Industrial Botany (Elective) (IV Sem)
645	Industrial Botany (Practical) (IV Sem)
Bachelor of Science - Botany (NEP Annual)	
646	Ethnobotany (Minor) (III Year)
647	Ethnobotany (Practical) (III Year)
648	Ethnobotany (Elective) (III Year)
649	Ethnobotany (Elective) (III Year)
650	Molecular Biology and Genetics of Microbes Group A Paper I (Major) (III Year)
651	Environmental Microbiology and Bioremediation Group A Paper II (Major) (III Year)
Bachelor of Science - Zoology (NEP Semester)	
652	Diversity of Chordates and Comparative Anatomy (Major) (III Sem)
653	Chordate Zoology (Practical)
654	Diversity of Chordates and Comparative Anatomy (Elective) (III Sem)
655	Diversity of Chordates and Comparative Anatomy (Practical) (Elective) (III Sem)

656	Physiology and Biochemistry (Minor) (IV Sem)
657	System Physiology and Biochemistry (Practical)
658	Physiology and Biochemistry (Elective) (IV Sem)
659	Physiology and Biochemistry (Practical) (Elective) (IV Sem)
Bachelor of Science - Zoology (NEP Annual)	
660	Aquaculture (Paper 1) (IIIyear)
661	Aquaculture (Paper 1) (Practical) (IIIyear)
662	Wild Life Conservation and Management (Paper II) (IIIyear)
663	Wild Life Conservation and Management (Paper II) (Practical) (IIIyear)
664	Insect Taxonomy and Applied Entomology (Paper 1) (IIIyear)
665	Insect Taxonomy and Applied Entomology (Paper 1) (Practical) (IIIyear)
666	Ecology Biodiversity and Evolution (Paper II) (IIIyear)
667	Ecology Biodiversity and Evolution (Paper II) (Practical) (IIIyear)
Bachelor of Science - Physics (NEP Semester)	
668	Waves and Optics (Major/Minor) (III Sem)
669	Waves and Optics (Major/Minor) (Practical) (III Sem)
670	Waves and Optics (Elective) (III Sem)
671	Waves and Optics (Elective) (Practical) (III Sem)
672	(Electricity, Magnetism and Electromagnetic (Major/Minor) (IV Sem)
673	(Electricity, Magnetism and Electromagnetic (Major/Minor) (Practical) (IV Sem)
674	(Electricity, Magnetism and Electromagnetic (Elective) (IV Sem)
675	(Electricity, Magnetism and Electromagnetic (Elective) (Practical) (IV Sem)
Bachelor of Science - Physics (NEP Annual)	
676	Quantum Mechanics, Atomic and Molecular Physics(III Year)
677	Quantum Mechanics, Atomic and Molecular Physics (Practical) (III Year)
678	Solid State Physics and Electronics (III Year)

679	Solid State Physics and Electronics (Practical) (III Year)
680	Astronomy and Space Physics (III Year)
681	Nuclear and Particle Physics (III Year)
682	Quantum Mechanics, Solid State Physics and Device (III Year)
Bachelor of Science - Biotechnology (NEP Semester)	
683	Basic Molecular Biology (III Sem)
684	Basic Molecular Biology (Practical) (III Sem)
685	Recombinant DNA Technology (IV Sem)
686	Recombinant DNA Technology (Major/Minor) (IV Sem)
Bachelor of Science - Biotechnology (NEP Annual)	
687	Industrial Biotechnology (III Year)
688	Industrial Biotechnology (Practical) (III Year)
689	Agriculture Biotechnology (III Year)
690	Agriculture Biotechnology (III Year)
691	Environmental Biotechnology (III Year)
692	Environmental Biotechnology (Practical) (III Year)
693	Bioinformatics (III Year)
694	Bioinformatics (III Year)
Bachelor of Science - Mathematics (NEP Semester)	
695	Abstract Algebra and Linear Algebra (Major/Minor) (III Sem)
696	Abstract Algebra and Linear Algebra (Elective) (III Sem)
697	Advanced Calcus and Partial Differential Equation (Major/Minor) (IV Sem)
698	Advanced Calculus and Partial Differential Equation (Elective) (IV Sem)
Bachelor of Science - Mathematics (NEP Annual)	
699	Numerical Methods and scientific Computation (Paper I) (III Year)
700	Elements of Discrete Mathematics (Paper II) (III Year)

701	Probability and Statistics (Paper I) (III Year)
702	Integral Transform (Paper II) (III Year)
703	Fundamentals of Boolean Algebra (III Year)
Bachelors of Computer Application (NEP Semester)	
704	BCA Data Communication and Computer Networks(III Sem)
705	BCA Data Communication and Computer Networks Practical (III Sem)
706	BCA Database Management Systems (III Sem)
707	BCA Database Management Systems Practical (III Sem)
708	BCA Block Chain Technology (IV Sem)
709	BCA E- Commerce (IV Sem)
710	BCA React JS (Elective) (IV Sem)
711	BCA React JS (Practical) (IV Sem)
712	BCA System Analysis and Engineering (IV Sem)
713	BCA Programming using JAVA (IV Sem)
714	
Bachelors of Computer Application (NEP Annual	
715	BCA Computer Graphics (Paper I) (III Year)
716	BCA Computer Graphics (Paper I) (III Year)
717	BCA PHP WITH MYSQL (Paper II) (III Year)
718	BCA PHP WITH MYSQL (Paper II) (III Year)
719	BCA Data Warehousing and Mining (Paper I) (III Year)
720	BCA Data Warehousing and Mining Practical (Paper I) (III Year)
721	BCA Python Programming (III Year)
722	BCA Python Programming Practical (III Year)
723	BCA Web Technologies (III Year)
724	BCA Web Technologies Practical (III Year)

725	BCA Data Science & Machine Learning (Elective) (III Year)
726	BCA Data Science & Machine Learning (Elective) (III Year)
727	BCA Cyber Security (Elective)
728	BCA Cyber Security Practical (Elective)
Bachelors of Computer Science (NEP Semester)	
729	BSC Computer Networks & Information Security (III Sem)
730	BSC Computer Networks & Information Security Practical (III Sem)
731	BSC Computer Networks & Information Security (Elective) (III Sem)
732	BSC Object Oriented Programming with Java (IV Sem)
733	BSC Object Oriented Programming with Java Practical (IV Sem)
734	BSC Object Oriented Programming with Java (IV Sem) (Elective)
Bachelors of Computer Science (NEP Annual)	
735	BSC Operating System (Paper I) (III Year)
736	BSC Operating System (Paper I) (Practical) (III Year)
737	BSC Programming with Python (Paper iI) (III Year)
738	BSC Programming with Python Practical (Paper iI) (III Year)
739	BSC PHP WITH MYSQL (Paper I)
740	BSC Cloud Computing (Paper II)
741	BSC Data Analysis and Visualisation using Python
Bachelors of Arts - English (NEP Semester)	
742	Study of Prose (III Sem)
743	Language and Technology (Elective) (III Sem)
744	Language and Technology (Minor) (III Sem)
745	Study of Fiction(IV Sem)
746	Communicative English (IV Sem)
Bachelors of Arts - English (NEP Annual)	

747	English Language: Structure and Translation (III Year)
748	Indian Diaspora Literature (III Year)
749	Indian English Poetry and Drama (III Year)
750	Language and Technology (Minor) (III Year)
Bachelors of Arts - Hindi (NEP Semester)	
751	अनुवाद सिधांत और प्राविधि (Major/Minor) (Sem III)
752	अनुवाद सिधांत और प्राविधि (Elective) (III Sem)
753	हिंदी गध (Major/Minor) (III Sem)
754	हिंदी गध (Elective) (III Sem)
755	हिंदी और कंप्यूटर अनुप्रयोग (Major/ Minor) (IV Sem)
756	हिंदी और कंप्यूटर अनुप्रयोग (Elective) (IV Sem)
757	अनुवाद विज्ञान (Major/Minor) (IV Sem)
758	अनुवाद विज्ञान (Elective) (IV Sem)
Bachelors of Arts - Hindi (NEP Annual)	
759	काव्यांग विवेचन अवं जनपदीय भाषा साहित्य (III Year)
760	लोक साहित्य अवं लोक संस्कृति (III Year)
761	जन संपर्क माध्यम सिधांत अवं अनुप्रयोग (III Year) (Major)
Bachelors of Arts - History (NEP Semester)	
762	History of Medieval India from 1206 TO 1739AD (Major/Minor) (III Sem)
763	History of Medieval India from 1206 TO 1739AD (Elective) (III Sem)
764	History of Modern India (from 1740 to 1947) (Major/ Minor) (IV Sem)
765	History of Modern India (from 1740 to 1947) (Elective) (IV Sem)
Bachelors of Arts - History (NEP Annual)	
766	Main Currents of World History (from 1453 TO 1870CE) (III Year)
767	Main Currents of World History (from 1453 TO 1870CE) (Elective) (III Year)
768	History of Freedom Movement in Madhya Pradesh (From 1836- 1947CE) (III Year)

Bachelors of Arts - Economics (NEP Semester)	
769	Macro Economic (Major/Minor) (III Sem)
770	Macro Economic (Elective) (III Sem)
771	Money, Banking and Public Finance (Major/Minor) (IV Sem)
772	Money, Banking and Public Finance (Elective) (IV Sem)
Bachelors of Arts - Economics (NEP Annual)	
773	Economics of Growth and Development (III Year)
774	Statistics (III Year)
775	Gender Economics (Elective) (III Year)
Bachelors of Arts - Political Science (NEP Semester)	
776	Western Political Thought (III Sem)
777	Western Political Thought (Elective) (III Sem)
778	Indian Political Thinkers (IV Sem)
779	Indian Political Thinkers (Elective)(IV Sem)
Bachelors of Arts - Political Science (NEP Annual)	
780	India's Foreign Policy (III Year)
781	Public Administration (III Year)
782	Comparative World Constitution (III Year)
783	International Relations and Contemporary Issues (III Year)
784	State Politics in India (Minor/Elective) (III Year)
Bachelors of Commerce (NEP Semester)	
785	Corporate Accounting (III Sem)
786	Business Statistics - I (III Sem)
787	Applied Economics- I (III Sem)
788	Corporate Law – I (III Sem)
789	Financial Market Operation- I (III Sem)

790	Principle of Management – I (III Sem)
791	Introduction to ASPNET And CSHARP - I (III Sem)
792	NCC Part I
793	Cost Accounting (IV Sem)
794	Advance Statistics for Research (IV Sem)
795	Applied Economics- II (IV Sem)
796	Corporate Law – II (IV Sem)
797	Financial Market Operation- II (IV Sem)
798	Principle of Management – II (IV Sem)
799	Introduction to ASPNET And CSHARP - II (IV Sem)
800	NCC Part II
Bachelors of Commerce (NEP Annual)	
801	Income tax law and practice I (III Year)
802	Goods and Service Tax & Custom Duty (III Year)
803	Income tax for business (III Year)
804	Marketing Management (III Year)
805	Human Resource Management (III Year)
806	Management Accounting (III Year)
807	Financial Management (III Year)
808	Auditing (III Year)
809	Public finance (III Year)
810	Business Ethics and Human Values (Elective) (III Year)
811	International Business (Elective) (III Year)
812	Investment Management (Elective) (III Year)
813	Environment and Sustainable Tourism (Elective) (III Year)
814	Internet and its Application (Elective) (III Year)

815	NCC Part III
Bachelors of Business Administrative (NEP Semester)	
816	Human Resource Management (III Sem)
817	Marketing Management (III Sem)
818	Financial Market and Financial Services (
819	Organization Behaviour (IV Sem)
820	Marketing Research (IV Sem)
821	Financial Management (IV Sem)
822	Human Resource Development (III Year)
823	Employee Relation and Compensation Management (III Year)
Bachelors of Business Administrative (NEP Annual)	
824	Functional Management (III Year)
825	Retail Management (Elective) (III Year)
826	Consumer Behaviour (III Year)
827	International Marketing (III Year)
828	Security Analysis and Portfolio Management (III Year)
829	International Finance (III Year)
830	Working Capital Management (III Year)
Foundation Course (NEP Annual)	
831	Digital Awareness - Cyber Security(III Year)
832	Bhasha Avam Sanskrit (III Year)
833	Personality Development and Character Building (III Year)