



**ST. XAVIER'S COLLEGE**

**(AUTONOMOUS)**

**5, Mahapalika Marg, Mumbai - 400 001,  
INDIA.**

**☎ 2262 0661/65**

**1.1.3: COURSES HAVING FOCUS ON SKILL DEVELOPMENT (SD)/  
EMPLOYABILITY (EM)/ENTREPRENEURSHIP (EN) OFFERED  
BY THE INSTITUTION**

- ❖ **List of courses (offered in 2019-2020) with mapping to SD/EM/EN**



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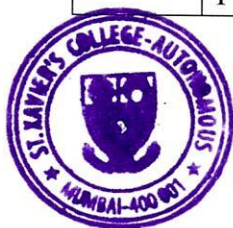
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## ❖ Courses (offered in 2019-2020) with mapping to Skill Development (SD)/ Employability (EM)/ Entrepreneurship (EN)

- ✓ Indicates course has activity/content relevant to SD/EM/EN.

Sr. No.	Name of Course	Course Code	SD	EM	EN
1	Cultural History And Archaeology Of Ancient India From Early Times Uptil c. A.D 320	AAIC0101	✓	-	-
2	Direct and Indirect Taxation - I	AAC03011	✓	-	-
3	Elementary Statistical Techniques - I	AAC03012	✓	✓	-
4	General Introduction to Law	AAC03013	✓	✓	-
5	Intro to Market Research (Concepts & Approaches) - I	AAC03014	✓	✓	-
6	Investment Analysis - I	AAC03015	✓	✓	-
7	Media Studies & Cinema - I	AAC03017	✓	✓	-
8	Psychology of Adjustment - I	AAC03018	✓	✓	-
9	Psychology of Gender - I	AAC03019	✓	✓	-
10	Direct and Indirect Taxation - II	AAC04012	✓	✓	-
11	Elementary Mathematical Technique	AAC04013	✓	-	-
12	Intro to Market Research - (Concepts & Approaches) - II	AAC04014	✓	✓	-
13	Investment Analysis - II	AAC04015	✓	✓	-
14	Media Studies & Cinema - II	AAC04017	✓	✓	-
15	Psychology of Adjustment - II	AAC04018	✓	✓	-
16	Psychology of Gender - II	AAC04019	✓	-	-
17	Elements Of Archaeology in India	AAIC0201	✓	✓	✓
18	Cultural History and Archaeology of Ancient India in Deccan & Early Medieval Period	AAIC0301	✓	-	-
19	Elements of Museology in India	AAIC0302	✓	✓	-
20	Social Organization in Ancient India	AAIC0401	✓	-	-
21	Development of Heritage Management & Tourism in India	AAIC0402	✓	-	-
22	Political Institutions in Ancient India	AAIC0501	✓	-	-
23	Evolution of Art & Architecture of Early India - I	AAIC0502	✓	-	-
24	Study of Protection, Conservation & Preservation of Indian Monuments	AAIC0503	✓	-	-



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Sr. No.	Name of Course	Course Code	SD	EM	EN
25	A Study of Culture, History of World Civilization	AAIC0504	✓	-	-
26	Brief Survey of Religio-Philosophical Traditions in India - I	AAIC0505	✓	-	-
27	Brief Survey of Ancient Indian Literary Tradition	AAIC0506	✓	-	-
28	Economic Institutions in Ancient India	AAIC0601	✓	✓	-
29	Evolution of Art & Architecture of India - II	AAIC0602	✓	✓	-
30	Intro of Ethno-Archaeology & Ethno Zoo-Archaeology in India	AAIC0603	✓	-	-
31	Study of Protection, Conservation & Preservation of Antiquities	AAIC0604	✓	-	-
32	Brief Survey of Religio - Philosophical Thoughts in India - II	AAIC0605	✓	-	-
33	Brief Survey of Science & Technology in Ancient India	AAIC0606	✓	✓	-
34	Ancient India Through the Ages: From Prehistoric to Early Historic Period	AAIC0701	✓	-	-
35	Studies in Indian Archaeology	AAIC0702	✓	-	-
36	Socio- Political, Economic & Scientific Aspects in Ancient India	AAIC0703	✓	-	-
37	Study of Epigraphic & Numismatics of India	AAIC0704	✓	-	-
38	History of Performing Arts and Theatre in India	AAIC0705	✓	-	-
39	Ancient India through the Ages: From Classical to Early Medieval Period	AAIC0801	✓	-	-
40	Facets of Indian Art and Architecture	AAIC0802	✓	-	-
41	Introduction to Buddhist Studies	AAIC0803	✓	-	-
42	Maritime Heritage of Ancient India	AAIC0804	✓	✓	-
43	Brief Study of the Comparative Mythology of the World	AAIC0805	✓	-	-
44	Religious & Philosophical Thoughts in Ancient India	AAIC0901	✓	✓	-
45	Studies in Indian Iconography, Paintings & Temple Architecture	AAIC0902	✓	✓	-



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Sr. No.	Name of Course	Course Code	SD	EM	EN
46	Studies in Conservation and Restoration	AAIC0903	✓	✓	-
47	Introduction to Pali Language	AAIC0904	✓	-	-
48	Museology & Preventive Conservation of Sites & Collections	AAIC1001	✓	-	-
49	A Study of the Cultural History of World Civilization	AAIC1002	✓	-	-
50	Research Methodology in Ancient Indian History, Culture & Archaeology	AAIC1003	✓	-	✓
51	Studies in Pali Literature and Language	AAICE1004	✓	-	-
52	Remedial Conservation of Tangible Heritage	AAICE1005	✓	-	-
53	Applied Anthropology - I (Applied Component)	AANT0503	✓	-	✓
54	Applied Anthropology - II (Applied Component)	AANT0603	✓	✓	-
55	Organization of Commerce & Industry	ACOM0101	✓	-	-
56	Forms of Business Organizations	ACOM0201	✓	✓	-
57	Principles of Management - I	ACOM0301	✓	✓	✓
58	Business Accounts & Finance - I	ACOM0302	✓	✓	-
59	Principles of Management - II	ACOM0401	✓	✓	-
60	Business Accounts and Finance - II	ACOM0402	✓	✓	-
61	Introduction to Marketing - I	ACOM0501	✓	-	-
62	Organizational Behaviour	ACOM0502	✓	-	-
63	Entrepreneurship & Management of Small and Medium Enterprises - I	ACOM0503	✓	-	-
64	Introduction to Marketing - II	ACOM0601	✓	-	-
65	Human Resource Management	ACOM0602	✓	✓	-
66	Cost Accumulation Accounting	ACOM0603	✓	✓	-
67	Microeconomics - Demand and Production Theories	AECO0101	✓	✓	-
68	Macro Economics - I	AECO0301	✓	-	-
69	Introduction to Econometrics - I	AECO0302	✓	-	-
70	Macro Economics - II	AECO0401	✓	-	-
71	Introduction to Econometrics - II	AECO0402	✓	-	-
	Advanced Microeconomics	AECO0501	✓	-	-



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Sr. No.	Name of Course	Course Code	SD	EM	EN
73	Principles of Microeconomics	AECO0502	✓	–	–
74	Growth & Development: Theoretical Analysis	AECO0503	✓	–	–
75	Approaches to Growth & Development	AECO0504	✓	–	–
76	Statistical Techniques for Economics	AECO0507	✓	–	–
77	Advanced Econometrics - I Option with ECO0506	AECO0508	✓	–	–
78	Corporate Finance - I (Applied Component)	AECO0509	✓	–	–
79	Indian Financial Systems and Institutions (Applied Component)	AECO0510	✓	–	–
80	Advanced Macroeconomics	AECO0601	✓	–	–
81	Macroeconomics: Theory and Practice	AECO0602	✓	–	–
82	Mathematical Techniques for Economics	AECO0607	✓	–	–
83	Econometrics - II Option with Eco 6.06	AECO0608	✓	–	–
84	Corporate Finance - II (Applied Component)	AECO0609	✓	–	–
85	Critical Reading Thinking & Writing: English Prose	AEES0101	✓	–	–
86	Critical Reading, Thinking and Writing: English Literature	AEES0201	✓	–	–
87	The Elements of Fiction	AENG0101	✓	–	–
88	The Elements of Drama	AENG0201	✓	–	–
89	The Elements of Poetry	AENG0301	✓	–	–
90	Pre - and Post-Independence Indian Writing in English	AENG0302	✓	–	–
91	American Literature	AENG0401	✓	–	–
92	Indian Writing in English (1980 to the Present)	AENG0402	✓	–	–
93	Fiction from Richardson to Hardy	AENG0501	✓	–	–
94	Modernism and 20C English Poetry	AENG0502	✓	–	–
95	Literature and the Self in Modernist European Writing	AENG0503	✓	–	–
96	English Poetry (1550-1750)	AENG0504	✓	–	–
97	Literary Theory & Criticism	AENG0505	✓	–	–



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Sr. No.	Name of Course	Course Code	SD	EM	EN
98	Narratives of Conflict: Ideology & Resolution	AENG0506	✓	-	-
99	English Poetry (1750 - 1900)	AENG0601	✓	-	-
100	Twentieth Century Fiction and Drama	AENG0602	✓	-	-
101	Satire	AENG0603	✓	✓	-
102	English Drama from Marlowe to Sheridan	AENG0604	✓	-	-
103	Approaches to Popular Culture	AENG0605	✓	-	-
104	Tales of the City	AENG0606	✓	-	-
105	French for Tourism & Hotel Industry	AFRA0101	✓	-	-
106	Le corpus the matique	AFRA0201	✓	-	-
107	Translation, Essay, Précis Writing	AFRA0302	✓	-	-
108	French Compulsory Basic	AFRC0101	✓	-	-
109	French Compulsory Advanced	AFRC0201	✓	-	-
110	Introduction To Hindi Literature (Plays)	AHIA0301	✓	-	-
111	Mass Media And Communication (Radio and Advertising)	AHIA0302	✓	-	-
112	Mass Media And Communication (Television and Film)	AHIA0402	✓	-	-
113	Hindi Language Skills	AHIC0101	✓	-	-
114	Critical Reading and Thinking: Hindi	AHIC0201	✓	-	-
115	World History from the Renaissance to c. 1870	AHIS0101	✓	-	-
116	World History from the Industrial Revolution to World War II	AHIS0201	✓	-	-
117	An Outline History of Early India - I (3500 BCE-200 BCE)	AHIS0301	✓	-	-
118	History of China and Japan (1900-1960)	AHIS0302	✓	-	-
119	An Outline History of Early India (200 BCE- 1200 CE) - II	AHIS0401	✓	-	✓
120	Contemporary Issues in Indian Society and Politics	AHIS0402	✓	-	✓
121	Hist. of India (c.1200 - 1707): Political, Administrative & Social aspects	AHIS0501	✓	✓	✓
122	Hist. of Modern India (1750-1950)	AHIS0502	✓	✓	✓



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Sr. No.	Name of Course	Course Code	SD	EM	EN
123	Introduction to Museum Studies: history, management and philosophy of Museums	AHIS0503	✓	✓	✓
124	Hist. of the Marathas (Part 1 1600-1707)	AHIS0504	✓	-	-
125	World History (1945-2000) - I	AHIS0505	✓	✓	-
126	Introduction to Cinema in 20th Century Mumbai	AHIS0506	✓	✓	-
127	History of India (c.1200-1707): Political, Administrative, Economic & Cultural aspects	AHIS0601	✓	✓	-
128	A History of India after Independence (1947-1984)	AHIS0602	✓	✓	-
129	Urban Heritage of Mumbai.	AHIS0603	✓	✓	-
130	History of the Marathas - II (1708-1818)	AHIS0604	✓	✓	-
131	World History: 1945 - 2000 - II	AHIS0605	✓	-	-
132	Introduction to Travel and Tourism in India.	AHIS0606	✓	-	-
133	Effective Communication Skills - I	AMM0101	✓	-	-
134	Introduction to Literature	AMM0105	✓	✓	-
135	Computer Graphics	AMM0106	✓	✓	-
136	Effective Communication Skills - II	AMM0201	✓	✓	-
137	Introduction to Radio and T.V.	AMM0206	✓	✓	-
138	Introduction to Photography	AMM0306	✓	✓	-
139	Writing Skills for Media	AMM0401	✓	✓	-
140	Introduction to Audio Video Production	AMM0402	✓	-	-
141	Introduction to Financial Markets	AMM0504	✓	✓	✓
142	Copywriting	AMM0506	✓	-	-
143	Reporting	AMM0507	✓	-	-
144	Editing	AMM0508	✓	✓	-
145	Feature and Opinion	AMM0509	✓	✓	-
146	Introduction to Entrepreneurship	AMM0601	✓	✓	-
147	Financial Management	AMM0603	✓	✓	-
148	Public Relations	AMM0604	✓	✓	-
149	Advertising Design	AMM0605	✓	-	-
150	Digital Marketing	AMM0606	✓	-	-
	Press Laws and Ethics	AMM0607	✓	-	-



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Sr. No.	Name of Course	Course Code	SD	EM	EN
152	Indian Regional Journalism	AMM0608	✓	-	-
153	Newspaper and Magazine Making	AMM0609	✓	-	-
154	Digital Media	AMM0610	✓	-	-
155	Issues in Indian Polity	APOL0503	✓	-	-
156	Indian Government & Politics	APOL0401	✓	-	-
157	Introduction to Public Administration	APOL0302	✓	-	-
158	International Politics Major Developments	APOL0505	✓	-	-
159	Major Issues in Contemporary Politics - International Economic Issues	APOL0506	✓	-	-
160	Issues in Indian Polity-Rights of Citizens of India	APOL0603	✓	✓	-
161	International Politics Major Issues	APOL0605	✓	✓	-
162	Major Issues in Contemporary Politics - International Social Issues	APOL0606	✓	-	-
163	Social Psychology - II	APSY0401	✓	-	-
164	Developmental Psychology - II	APSY0402	✓	-	-
165	Psychometrics and Statistics - I	APSY0501	✓	✓	-
166	Abnormal Psychology - I	APSY0502	✓	✓	-
167	Industrial Organizational Psychology - I	APSY0503	✓	✓	-
168	Cognitive Psychology - I	APSY0504	✓	✓	-
169	Psychology Practicals - I	APSY0505	✓	✓	-
170	Insight Oriented Counseling	APSY0506	✓	✓	-
171	Psychometrics and Statistics - II	APSY0601	✓	✓	-
172	Abnormal Psychology - II	APSY0602	✓	-	-
173	Industrial Organizational Psychology - II	APSY0603	✓	-	-
174	Cognitive Psychology - II	APSY0604	✓	-	-
175	Psychology Practicals - II	APSY0605	✓	-	-
176	Action Oriented Counseling	APSY0606	✓	-	-
177	Behavioral Neuroscience	APSY0701	✓	-	-
178	Cultural Context of Counseling	APSY0702	✓	-	-
179	Counseling Process and Skills	APSY0703	✓	-	-
180	Theoretical Approaches in Psychotherapy	APSY0704	✓	-	-



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Sr. No.	Name of Course	Course Code	SD	EM	EN
181	Research Methodology and Statistics in Psychology	APSY0705	✓	–	–
182	Practicum: Group Process and Individual Counseling	APSY0706	✓	–	–
183	Normal & Abnormal Development in Childhood & Adolescence	APSY0801	✓	–	–
184	Psychological Assessment in Childhood & Adolescence	APSY0802	✓	–	–
185	Counselling Special Groups in Childhood & Adolescence	APSY0803	✓	–	–
186	Psychotherapeutic Techniques I	APSY0804	✓	–	–
187	Practicum: Fieldwork + Case presentations	APSY0805	✓	–	–
188	Popular Culture	ASOC0503	✓	–	–
189	Media, Culture & Society - I (Applied Component)	ASOC0505	✓	✓	–
190	Gender Studies - I (Applied Component)	ASOC0506	✓	–	–
191	Research Methods in Sociology - I	ASOC0507	✓	–	–
192	Introduction to Human Resource Dev (Applied Component)	ASOC0509	✓	–	–
193	Media, Culture & Society - II (Applied Component)	ASOC0605	✓	✓	–
194	Sociology of Food	ASOC0603	✓	✓	–
195	Organizational Development & Change (Applied Component)	ASOC0609	✓	✓	–
196	Gender Studies - II (Applied Component)	ASOC0606	–	✓	✓
197	Research Methods in Sociology - II	ASOC0607	✓	✓	–
198	Cross Faculty: The Art of Mathematics (Mathematics)	ASPC04011	✓	–	–
199	Cross Faculty: Astronomy, Physics and its impact on the World (Physics)	ASPC04012	✓	–	✓
200	Cross Faculty: Chemistry in Context: Applying chemistry to society (Chemistry)	ASPC04013	✓	✓	✓
201	Cross Faculty: Infectious Diseases: Staying Ahead (Microbiology)	ASPC04016	✓	✓	✓



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Sr. No.	Name of Course	Course Code	SD	EM	EN
202	Cross Faculty: Secret lives of Animals (Zoology)	ASPC04018	-	✓	✓
203	Cross Faculty: Web Designing (IT)	ASPC04019	✓	-	-
204	Statistics Practicals	ASTA01PR	✓	✓	-
205	Statistics Practicals	ASTA02PR	✓	-	-
206	Statistics Practicals	ASTA03PR	✓	✓	✓
207	Statistics Practicals	ASTA04PR	✓	-	-
208	Statistics Practicals	ASTA05PR	✓	-	-
209	Statistics Practicals	ASTA06PR	-	✓	-
210	Tourism Operations Management & Basic Ticketing	AVT0501PR	✓	-	-
211	Entrepreneurship	AVT0502/ SVS0501	-	-	✓
212	Event Management Project	AVT0502PR	-	✓	✓
213	Tourism Operations Management	AVT0504	✓	-	-
214	Basic Ticketing	AVT0505	✓	-	-
215	Intro. to Event Planning and Management	AVT0506	✓	✓	-
216	Business Ethics	AVT0601/ SVS0601	✓	✓	-
217	Itinerary Planning & Promotion & Tourism & Allied Services	AVT0601PR	✓	✓	-
218	Entrepreneurship - II	AVT0602/ SVS0602	✓	-	-
219	Thematic Tourism Project	AVT0602PR	✓	-	-
220	Compulsory Internship	AVT0603IN	✓	-	-
221	Itinerary Planning & Promotion	AVT0604	✓	✓	-
222	Tourism & Allied Services	AVT0605	✓	-	-
223	Communication Skills in English	CCOM0105	✓	✓	-
224	Business Communication	CCOM0205	✓	✓	-
225	Financial Accounting - I	CCOM0301	✓	-	✓
226	Mass Communication (Theory & Practice)	CCOM0306	✓	-	-
227	Financial Accounting - II	CCOM0401	✓	-	-
228	Mass Communication (Media Studies)	CCOM0407	✓	-	✓
229	Basic Corporate Accounts	CCOM0501	✓	-	✓
230	Basics & Fundamentals of Costing & Auditing	CCOM0502	-	✓	✓



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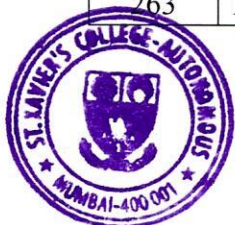
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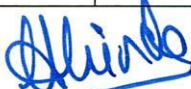
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Sr. No.	Name of Course	Course Code	SD	EM	EN
231	Business Economics - V	CCOM0504	✓	–	–
232	Advanced Auditing & Costing Accounting	CCOM0602	✓	✓	✓
233	Commerce - VIII: Entrepreneurship	CCOM0605	✓	✓	✓
234	Indirect Tax - GST	CCOM0607	✓	✓	✓
235	Principles of Management	CMS0101	✓	✓	✓
236	Introduction to Financial Accounts	CMS0102	✓	✓	–
237	Business Law	CMS0103	✓	✓	✓
238	Business Mathematics	CMS0104	✓	✓	–
239	Business Communication	CMS0105	✓	✓	✓
240	Computer Applications in Business	CMS0106	✓	–	–
241	Organizational Behavior	CMS0201	✓	✓	✓
242	Industrial Law	CMS0202	✓	✓	✓
243	Marketing Management	CMS0203	✓	✓	✓
244	Microeconomics	CMS0204	✓	✓	✓
245	Business Statistics	CMS0205	✓	✓	✓
246	Introduction to Cost Accounting	CMS0206	✓	✓	✓
247	Human Resource Management	CMS0301	✓	✓	✓
248	Management Accounting	CMS0302	✓	–	✓
249	Operations Management	CMS0303	–	✓	✓
250	Consumer Behaviour	CMS0304	✓	–	–
251	Macroeconomics	CMS0305	–	✓	✓
252	Elements of Taxation	CMS0306	–	✓	✓
253	Research Methods in Business	CMS0401	✓	–	✓
254	Financial Management	CMS0402	✓	✓	–
255	Productivity & Quality Management	CMS0403	✓	✓	✓
256	Cooperatives & Rural Markets	CMS0404	–	–	✓
257	Business Environment	CMS0405	✓	–	✓
258	Banking, Insurance & Capital Markets	CMS0406	✓	✓	✓
259	Entrepreneurship & Management of Small & Medium Enterprise	CMS0501	–	✓	✓
260	Service Sector Management	CMS0502	–	✓	–
261	Supply Chain Management	CMS0503	✓	–	✓
262	Indian Management Thoughts and Practices	CMS0504	✓	✓	–
263	International Finance	CMS0505	✓	–	–



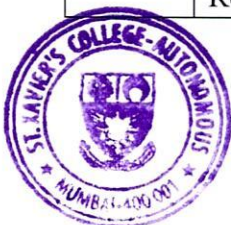
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Sr. No.	Name of Course	Course Code	SD	EM	EN
264	Elective I: Financial Resource Raising	CMS0506	✓	-	-
265	Elective II: International Business	CMS0507	✓	-	-
266	Elective III: Training and Development	CMS0508	✓	✓	-
267	Management Research Project	CMS0509PJ	✓	-	-
268	Strategic Management	CMS0601	✓	-	-
269	Risk Management	CMS0602	✓	-	-
270	Operations Research	CMS0603	✓	-	-
271	Business Ethics & Corporate Social Responsibility	CMS0604	✓	-	-
272	E-Commerce	CMS0605	✓	-	-
273	Elective I: Invest. Analysis & Portfolio Mgt.	CMS0606	✓	-	-
274	Elective II: Retail & Sales Management	CMS0607	✓	-	-
275	Elective III: Econometrics	CMS0608	✓	-	✓
276	Statistical Method	ITS0701	✓	-	-
277	Probability & Stochastic Process	ITS0702	✓	-	-
278	Linear Algebra & Linear Programming	ITS0703	✓	-	-
279	Computing for Data Sciences using R, Python and Java	ITS0704	✓	✓	-
280	Database Management - Relational and Non-Relational	ITS0705	✓	✓	-
281	Linear Algebra & Linear Programming & Statistics	ITS07PR1	✓	-	-
282	Data base Management Systems and computing for data science	ITS07PR2	✓	-	-
283	Python Programming	ITS07PR3	✓	-	-
284	Foundations of Data Science	ITS0801	✓	-	-
285	Advanced Statistical Methods	ITS0802	✓	-	-
286	Machine Learning-I	ITS0803	✓	-	-
287	Value Thinking	ITS0804	✓	-	-
288	Enabling Technologies for Data Science	ITS0805	✓	✓	-
289	Cloud computing/Operation Research	ITS0806	✓	-	-



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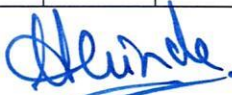


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Sr. No.	Name of Course	Course Code	SD	EM	EN
290	Foundation of Data Science & Advanced Statistical Methods	ITS08PR1	✓	-	-
291	Machine Learning I & Enabling Technologies for Data Science	ITS08PR2	✓	-	-
292	Public Policy Analysis	PPCC0701	✓	-	-
293	Introduction to Research Methodology	PPCC0702	✓	-	-
294	Ethics and Redistribution	PPCC0703	✓	-	-
295	Economy, Society and Public Policy	PPCC0801	✓	-	-
296	Quantitative Methods and Data Analytics	PPCC0802	✓	-	-
297	Development & Public Policy: Theories & Experiences	PPCC0901	✓	-	-
298	Project Planning, Management and Evaluation	PPCC0902	✓	-	-
299	International Economics and Public Policy	PPCC1001	✓	-	-
300	Dissertation Writing	PPCC1002	✓	-	-
301	Environment and Public Policy	PPEC0801	✓	-	-
302	Gender and Public Policy	PPEC0802	✓	-	-
303	Health Policy	PPEC0803	✓	-	-
304	Urban Planning Policy	PPEC0901	✓	-	-
305	Rural Policy	PPEC0902	✓	-	-
306	Foreign Policy	PPEC0903	✓	-	-
307	Globalization and Labour Policy	PPEC1001	✓	-	-
308	Media and Public Policy	PPEC1002	✓	-	-
309	Education Policy	PPEC1003	✓	-	-
310	SCS and Project	S.ITS.5.PJ	✓	-	-
311	Biochemistry Practicals (SEM 5)	SBCH05PR	✓	-	-
312	Biochemistry Practicals (SEM 6)	SBCH06PR	✓	-	-
313	Botany Practicals - I	SBOT01PR	✓	-	-
314	Botany Practicals - II	SBOT02PR	✓	-	-
315	Botany Practicals - III	SBOT03PR	✓	-	-
316	Botany Practicals - IV	SBOT04PR	✓	-	-
317	Botany Practicals - V	SBOT05PR	✓	-	-
318	Botany Practicals - VI	SBOT06PR	✓	-	-
319	Practicals	SBOT07PR	✓	-	-
320	Practicals	SBOT08PR	✓	-	-



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Sr. No.	Name of Course	Course Code	SD	EM	EN
321	Biostatistics	SBOT0901	✓	–	–
322	Applied Botany	SBOT0903	✓	–	–
323	Angiosperms - I (Phylogeny and Nomenclature)	SBOT0904	✓	–	–
324	Practicals	SBOT09PR	✓	–	–
325	Instrumentation	SBOT1001	✓	–	–
326	Practicals	SBOT10PR	✓	✓	–
327	Biomolecules	SBTS0701	✓	–	✓
328	Immunology	SBTS0702	✓	✓	✓
329	Genetics	SBTS0703	✓	✓	✓
330	Cellular Processes	SBTS0704	✓	–	✓
331	Techniques in Biotechnology and Scientific Communication Skills	SBTS07PR	✓	✓	✓
332	Metabolism	SBTS0801	✓	–	–
333	Animal Biotechnology	SBTS0802	✓	–	–
334	Molecular Biotechnology	SBTS0803	✓	–	–
335	Advanced Analytical Techniques	SBTS0804	✓	✓	–
336	Biotechnology	SBTS08PR	✓	–	–
337	Biostatistics and Bioinformatics	SBTS0901	✓	–	–
338	Drug Development	SBTS0902	✓	–	–
339	Bioprocess Technology	SBTS0903	✓	–	–
340	Environmental Biotechnology	SBTS0904	✓	✓	–
341	Bioinformatics and Research Methodology	SBTS09PR	✓	–	–
342	Entrepreneurship and IPR	SBTS1001	✓	–	–
343	Entrepreneurship	SBTS1001PR	✓	–	–
344	Research Project	SBTS1002PR	✓	–	–
345	Chemistry Practicals - I	SCHE01PR	✓	–	–
346	Chemistry Practicals - II	SCHE02PR	✓	–	–
347	Physical and Analytical Chemistry - I	SCHE0301	✓	–	–
348	Chemistry Practicals - III	SCHE03PR	✓	–	–
349	Physical and Analytical Chemistry - II	SCHE0401	✓	–	–
350	Chemistry Practicals - IV	SCHE04PR	✓	–	–
351	Spectroscopy, Molecular & Nuclear Dynamics	SCHE0501	✓	–	–
	Stereochemistry & Natural Products	SCHE0503	✓	–	–



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Sr. No.	Name of Course	Course Code	SD	EM	EN
353	General Analytical Chemistry	SCHE0504	✓	–	–
354	Neuroscience	SCHE05AC	✓	–	–
355	Applied Component Practicals	SCHE05ACPR	✓	–	–
356	Chemistry Practicals - V	SCHE05PR	✓	–	–
357	General Physical Chemistry	SCHE0601	✓	–	–
358	Solid State, Solution & Medicinal Chemistry	SCHE0602	✓	–	–
359	Spectrometric Identification & Synthetic Chemistry	SCHE0603	✓	–	–
360	Instrumental Methods of Analysis	SCHE0604	✓	✓	–
361	Drugs & Color Chemistry	SCHE06AC	✓	–	–
362	Applied Component Practicals	SCHE06ACPR	✓	–	–
363	Chemistry Practicals - VI	SCHE06PR	✓	–	–
364	Geology Practicals - I	SGEO01PR	✓	–	–
365	Geology Practicals - II	SGEO02PR	–	–	✓
366	Geology Practicals - III	SGEO03PR	✓	–	–
367	Geology Practicals - IV	SGEO04PR	✓	–	–
368	Applied Component Practicals	SGEO05ACPR	✓	–	–
369	Geology Practicals - V	SGEO05PR	✓	–	–
370	Applied Component Practicals	SGEO06ACPR	✓	–	–
371	Geology Practicals - VI	SGEO06PR	✓	–	–
372	Stratigraphy and Geology of India-Practical	SGEO0701PR	✓	–	–
373	Geochemistry-Practical	SGEO0702PR	✓	–	–
374	Structural Geology-Practical	SGEO0703PR	✓	–	–
375	Advanced Gemmology-Practical	SGEO0704PR	✓	–	–
376	Remote Sensing and Digital Image Processing.	SGEO0801	✓	–	–
377	Remote Sensing and Digital Image Processing. - Practical	SGEO0801PR	✓	–	–
378	Igneous Petrology-Practical	SGEO0802PR	✓	–	–
379	Metamorphic Petrology-Practical	SGEO0803PR	✓	–	–
380	Sedimentary Petrology-Practical	SGEO0804PR	✓	–	–
381	General and Invertebrate Paleontology-Practical	SGEO0901PR	✓	–	–
382	Hydrogeology-Practical	SGEO0902PR	✓	–	–
383	Geophysical Prospecting-Practical	SGEO0903PR	✓	–	–



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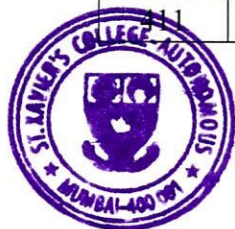
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Sr. No.	Name of Course	Course Code	SD	EM	EN
384	Coal and Petroleum Geology-Practical	SGEO0904PR	✓	-	-
385	Micropaleontology and Oceanography-Practical	SGEO1001PR	✓	-	-
386	Engineering Geology-Practical	SGEO1002PR	✓	-	-
387	Economic Geology-Practical	SGEO1003PR	✓	-	-
388	Dissertation	SGEO1004	✓	-	-
389	Professional Communication Skills	SITS0101	✓	✓	-
390	Applied Mathematics - I	SITS0102	✓	✓	-
391	Digital Electronics	SITS0103	✓	-	-
392	The Art of Programming	SITS0104	✓	-	-
393	Data Communication & Network Standards	SITS0105	✓	-	-
394	The Art of Programming & Digital Electronics	SITS01PR	✓	-	-
395	Computer Graphics	SITS0201	✓	-	-
396	Applied Mathematics - II	SITS0202	✓	-	-
397	Microprocessors and Microcontrollers	SITS0203	✓	-	-
398	Descriptive Statistics	SITS0204	✓	-	-
399	C++ Programming	SITS0205	✓	-	-
400	Introduction to C++ Prog'ing, Comp Graphics & Microprocessors & Controllers	SITS02PR	✓	-	-
401	Logic & Discrete Mathematical Structures - LDMS	SITS0301	✓	-	-
402	Web Designing & Programming	SITS0302	✓	-	-
403	Data Base Systems and Concepts	SITS0303	✓	-	-
404	Object Oriented Programming with JAVA	SITS0304	✓	-	-
405	Embedded Systems	SITS0305	✓	-	-
406	Data Base Systems and Embedded System	SITS03PR 1	✓	-	-
407	OOPS with JAVA and Web Designing	SITS03PR 2	✓	-	-
408	Software Engineering	SITS0401	✓	-	-
409	Modern Operating System	SITS0402	✓	-	-
410	Mobile Application Development	SITS0403	✓	-	-
411	Data Structure using JAVA	SITS0404	✓	-	-



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Sr. No.	Name of Course	Course Code	SD	EM	EN
412	Statistical Techniques and Operation Research	SITS0405	✓	-	-
413	Modern Operating System & Mobile Application Dev.	SITS04PR 1	✓	-	-
414	Data Structures Using Java and Statistical Techniques	SITS04PR 2	✓	-	-
415	Network Security & Internet Technologies	SITS0501	✓	-	-
416	C# with ASP.Net	SITS0502	✓	-	-
417	Data Warehousing & Data Mining	SITS0503	✓	-	-
418	E-Commerce and Enterprise Resource Planning	SITS0504	✓	-	-
419	Introduction to Artificial Intelligence	SITS0505	✓	-	-
420	Network Security and Data warehousing	SITS05PR2	✓	-	-
421	C# & ASP. NET and Introduction to Artificial Intelligence	SITS05PR1	✓	-	-
422	Big Data and Cloud Computing	SITS0601	✓	✓	✓
423	Image Processing and deep learning	SITS0602	✓	-	-
424	Advanced Java	SITS0603	✓	-	-
425	Software Testing	SITS0604	✓	-	-
426	Project, Scientific Communication Skills	SITS06PJ	✓	-	-
427	Advanced Java & Big Data Visualization	SITS06PR	✓	-	-
428	Life Science Practicals - I	SLSC01PR	✓	-	-
429	Life Science Practicals - II	SLSC02PR	✓	-	-
430	Microbes & Human Health	SLSC0303	✓	-	-
431	Life Science Practicals - III	SLSC03PR	✓	-	-
432	Molecular Biology	SLSC0402	✓	-	-
433	Biostatistics and Population Genetics	SLSC0403	✓	-	-
434	Life Science Practicals - IV	SLSC04PR	✓	-	-
435	Industrial Biotechnology & Nanotechnology	SLSC0503	✓	-	-
436	Environment & Environmental Pollution	SLSC05AC	✓	-	-
437	Applied Component Practicals - V	SLSC05ACPR	✓	-	-



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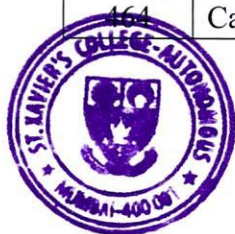
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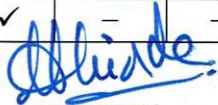
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Sr. No.	Name of Course	Course Code	SD	EM	EN
438	Life Science Practicals V 6 Units (Skills 1- 4) and 3 Units (Skills 1 and 2)	SLSC05PR/SLS C05PR3	✓	-	-
439	Environment Sustainability and Legislation	SLSC06AC	✓	-	-
440	Environmental Science Practicals	SLSC06ACPR	✓	-	-
441	Life Science Practicals - VI 6 Units (Skills 1-4) and 3 Units (Skills 1 and 2)	SLSC06PR / SLSC06PR3	✓	-	-
442	Cell Biology	SLSC0701	✓	-	✓
443	Scientific Comm., Research Methodology, Intellectual Property Rights and Entrepreneurship	SLSC0702	✓	-	-
444	Biochemistry	SLSC0703	✓	-	-
445	Laboratory Management and Analytical Techniques	SLSC0704	✓	-	-
446	Practicals	SLSC07PR	✓	-	-
447	Human Physiology - I	SLSC0801	✓	-	-
448	Basic Mathematics and Biostatistics	SLSC0802	✓	-	-
449	Fundamentals of Immunology	SLSC0803	✓	-	-
450	Microbial Diseases	SLSC0804	✓	-	-
451	Practicals	SLSC08PR	✓	-	-
452	Human Physiology - II	SLSC0901	✓	-	-
453	Molecular Biology & Recombinant DNA Technology	SLSC0902	✓	-	-
454	Bioinformatics and Routine Diagnostics	SLSC0903	✓	-	-
455	Clinical Microbiology and Public Health	SLSC0904	✓	-	-
456	Practicals	SLSC09PR	✓	-	-
457	Medical Genetics	SLSC1001	✓	-	-
458	Pharmacology & Clinical Research	SLSC1002	✓	-	-
459	Cancer Biology and Stem Cell Biology	SLSC1003	✓	-	-
460	Applied Biology	SLSC1004	✓	-	-
461	Practicals	SLSC10PR	✓	-	-
462	Calculus - I	SMAT0101	✓	-	-
463	Algebra - I	SMAT0102	✓	-	-
464	Calculus - II	SMAT0201	✓	-	-



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465	Algebra - II	SMAT0202	✓	–	–
466	Calculus - III	SMAT0301	✓	–	–
467	Algebra - III	SMAT0302	✓	–	–
468	Finite Mathematics	SMAT0303	✓	–	–
469	Mathematics Practicals - III	SMAT03PR	✓	–	–
470	Calculus - IV	SMAT0401	✓	–	–
471	Algebra - IV	SMAT0402	✓	–	–
472	Differential Equations	SMAT0403	✓	–	–
473	Mathematics Practicals - IV	SMAT04PR	✓	–	–
474	Calculus - V	SMAT0501	✓	–	–
475	Algebra - V	SMAT0502	✓	–	–
476	Topology of Metric Spaces - I	SMAT0503	✓	–	–
477	Numerical Methods– I	SMAT0504	✓	–	–
478	Computer Programming - I	SMAT05AC	✓	–	–
479	Computer Programming Practicals	SMAT05ACPR	✓	–	–
480	Mathematics Practicals– V	SMAT05PR	✓	–	–
481	Calculus - VI	SMAT0601	✓	–	–
482	Algebra - VI	SMAT0602	✓	–	–
483	Topology of Metric Spaces - II	SMAT0603	✓	–	–
484	Numerical Methods - II	SMAT0604	✓	–	–
485	Computer Programming - II	SMAT06AC	✓	–	–
486	Computer Programming Practicals	SMAT06ACPR	✓	–	–
487	Mathematics Practicals - VI	SMAT06PR	✓	–	–
488	Microbiology Practicals - I	SMIC01PR	✓	–	–
489	Microbiology Practicals - II	SMIC02PR	✓	–	–
490	Introduction to Microbial Metabolism And Biostatistics	SMIC0302	✓	–	–
491	Basics of Genetics & Bioinformatics	SMIC0303	✓	–	–
492	Microbiology Practicals - III	SMIC03PR	✓	–	–
493	Environmental Microbiology	SMIC0402	✓	–	–
494	Food Microbiology & Bioprocess Technology	SMIC0403	✓	–	–
495	Microbiology Practicals - IV	SMIC04PR	✓	–	–
496	Industrial Biotechnology & Genetics	SMIC0501	✓	–	–
497	Microbiology Practicals - V	SMIC05PR	✓	✓	–
498	Genetics, Molecular Biology & Bioinformatics	SMIC0601	✓	✓	–



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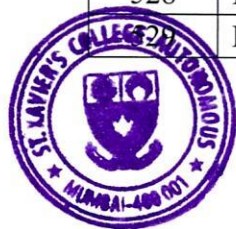
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Sr. No.	Name of Course	Course Code	SD	EM	EN
499	Medical Microbiology & Immunology-II	SMIC0602	✓	-	-
500	Microbiology Practicals - VI	SMIC06PR	✓	-	-
501	Genetics	SMIC0702	✓	-	-
502	Microbial Biochemistry - I	SMIC0703	✓	✓	-
503	Immunology	SMIC0704	✓	-	-
504	Microbiology Practicals	SMIC07PR	✓	-	-
505	Cell Biology: Structure, transport and junctions	SMIC0801	✓	-	-
506	Genetics and Bioinformatics	SMIC0802	✓	-	-
507	Research Methodology and Biostatistics	SMIC0804	✓	-	-
508	Cell Biology & Bioinformatics	SMIC08PR	✓	-	-
509	Tools and Techniques: Biomolecular Analysis	SMIC0902	✓	-	-
510	Bioprocess Technology	SMIC0903	✓	-	-
511	External Projects	SMIC09PR	✓	-	-
512	Microbial Ecology and Environmental Microbiology	SMIC1001	✓	-	-
513	Internal Project	SMIC1001PR	✓	-	-
514	Food Microbiology	SMIC1002	✓	-	-
515	Internal Project	SMIC1002PR	✓	-	-
516	Cells in their social context	SMIC1003	✓	-	-
517	Food, Pharmaceutical & Cosmetic Microbiology	SMIC1003PR	✓	-	-
518	Advances in Biotechnology	SMIC1004	✓	-	-
519	Environmental Microbiology, Animal Tissue culture and Nanotechnology	SMIC1004PR	✓	-	-
520	Mechanics	SPHY0101	✓	-	-
521	Waves and Thermodynamics	SPHY0102	✓	-	-
522	Physics Practicals - I	SPHY01PR	✓	-	-
523	Electricity and Magnetism	SPHY0201	✓	-	-
524	Optics and electromagnetic waves	SPHY0202	✓	-	-
525	Physics Practicals - II	SPHY02PR	✓	-	-
526	Wave and Quantum Optics	SPHY0301	✓	-	-
527	Mathematical Physics	SPHY0302	✓	-	-
528	Electronics - I	SPHY0303	✓	-	-
	Physics Practicals - III	SPHY03PR	✓	-	-



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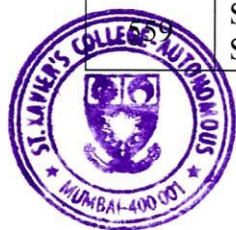
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Sr. No.	Name of Course	Course Code	SD	EM	EN
530	Thermodynamics	SPHY0401	✓	–	–
531	Quantum Mechanics	SPHY0402	✓	–	–
532	Acoustics	SPHY0403	✓	–	–
533	Physics Practicals - IV	SPHY04PR	✓	–	–
534	Classical Mechanics	SPHY0501	✓	–	–
535	Statistical Mechanics	SPHY0502	✓	–	–
536	Electronics - II	SPHY0503	✓	–	–
537	Atomic and Molecular Physics	SPHY0504	✓	–	–
538	Digital Image Processing	SPHY05AC	✓	–	–
539	Digital Image Processing Practicals	SPHY05ACPR	✓	–	–
540	Physics Practicals - V	SPHY05PR	✓	–	–
541	Modern Astrophysics	SPHY0601	✓	–	–
542	Electrodynamics	SPHY0602	✓	–	–
543	Nuclear Physics	SPHY0603	✓	–	–
544	Solid State Physics	SPHY0604	✓	–	–
545	Applied Physics	SPHY06AC	✓	✓	–
546	Environmental Physics Practicals	SPHY06ACPR	✓	✓	–
547	Physics Practicals - VI	SPHY06PR	✓	–	–
548	Mathematical Methods	SPHY0701	✓	–	–
549	Classical Mechanics	SPHY0702	✓	–	–
550	Quantum Mechanics	SPHY0703	✓	–	–
551	Astronomy and Astrophysics: An Overview	SPHY0704	✓	✓	✓
552	Practical	SPHY07PR	✓	–	–
553	Statistical Mechanics	SPHY0801	✓	✓	✓
554	Electrodynamics and Solid State Physics	SPHY0802	✓	–	–
555	Atomic, Molecular & Nuclear Physics	SPHY0803	✓	–	–
556	Electronics and Digital Image Processing	SPHY0804	✓	–	–
557	Practical	SPHY08PR	✓	–	–
558	Scientific Communication Skills Sem3 (Botany/Chemistry/Geology/Life Science/Maths/Microbiology/Physics /Statistics/ Zoology)	SSCS0301	✓	✓	–
	Scientific Communication Skills - Sem4	SSCS0401	✓	✓	–



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Sr. No.	Name of Course	Course Code	SD	EM	EN
	(Botany/Chemistry/Geology/Life Science/Maths/Microbiology/Physics/Statistics/Zoology)				
560	Management Accounting & Invest. Portfolio Management (BMS)	SSPC04015	✓	✓	-
561	Psychology of Relationships (Psychology)	SSPC04016	✓	-	-
562	Statistics Practicals	SSTA01PR	✓	-	-
563	Statistics Practicals	SSTA02PR	✓	-	-
564	Statistics Practicals	SSTA03PR	✓	-	-
565	Statistics Practicals	SSTA04PR	✓	-	-
566	Statistics Practicals	SSTA05PR	✓	-	-
567	Statistics Practicals	SSTA06PR	✓	-	-
568	Mobile App Development using Android - II	SVS0504	✓	-	-
569	Python	SVS0505	✓	-	-
570	Project - I	SVS05PJ	✓	-	-
571	Mobile App Development & Python Practicals	SVS05PR	✓	-	-
572	ERP and SCM	SVS0604	✓	-	-
573	Software Testing	SVS0605	✓	-	-
574	Software Testing Tutorial & ERP Case Study	SVS0606	✓	-	-
575	Compulsory Internship 6 Weeks	SVS06IN	✓	-	-
576	Project - II	SVS06PJ	✓	-	-
577	Invertebrate Systematics and Biomolecules	SZOO0101	✓	-	-
578	Zoology Practicals - I	SZOO01PR	✓	-	-
579	Zoology Practicals - II	SZOO02PR	✓	-	-
580	Ethology and Parasitology	SZOO0301	✓	-	-
581	Biostatistics and Evolution	SZOO0302	✓	-	-
582	Advanced Genetics and Bioinformatics	SZOO0303	✓	-	-
583	Zoology Practicals - III	SZOO03PR	✓	-	-
584	Developmental Biology and Information Flow	SZOO0401	✓	-	-
585	Cell Biology	SZOO0402	✓	-	-
586	Biochemistry and Applied Zoology	SZOO0403	✓	-	-
	Zoology Practicals - IV	SZOO04PR	✓	-	-



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Sr. No.	Name of Course	Course Code	SD	EM	EN
588	Ontogeny of Vertebrates, Behavioural Ecology & Conservation Biology	SZOO0501	✓	-	-
589	Economic Entomology Practicals	SZOO05ACPR	✓	-	-
590	Zoology Practicals - V	SZOO05PR	✓	-	-
591	Economic Entomology - II Practicals	SZOO06ACPR	✓	-	-
592	Zoology Practicals - VI	SZOO06PR	✓	-	-



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