

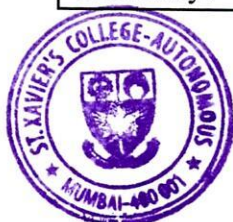


ST. XAVIER'S COLLEGE
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1.3.2: List of value-added courses for imparting transferable and life skills offered during last five years

2019 - 20

Name of course	Conducted by Department of	No of students completing the course
Epigraphy and Numismatics of Ancient India	Ancient Indian History, Culture and Archaeology	8
History of Performing Arts & Theatre in Ancient India	Ancient Indian History, Culture and Archaeology	2
Maritime Heritage of Ancient India	Ancient Indian History, Culture and Archaeology	9
Brief study of the Comparative Mythology of the World	Ancient Indian History, Culture and Archaeology	10
Diploma in Ancient Indian Culture and Heritage	Ancient Indian History, Culture and Archaeology	1
Women Pioneers in Early World Cinema (Part I &II)	English	6
Research Paper Writing and Presentation at Khandala Seminar on PERCEPTION: In the eye of the beholder	Psychology	28
Technical Analysis	Management Studies	26
Open ended project based Plant propagation through various modes	Botany	3
Antibacterial properties of silver nanoparticles	Botany	1
Applications of Chem-Draw : A tool in Chemistry	Chemistry	49
Applications of MATH TYPE: An equation writing tool	Chemistry	49
Application of LATEX: Software for publishing research articles in Chemistry.	Chemistry	11



NAAC SSR Cycle 4 (2015-2020):
1_3_2_ValueAdded_Course List

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Name of course	Conducted by Department of	No of students completing the course
Research Project in Food and Environmental Chemistry	Chemistry	8
Research Project in Inquiry based Practicals for Organic Chemistry	Chemistry	7
Workshop: 'Chemistry in Context'	Chemistry	4
Research Methodology and Analytical Techniques (Advanced)	Caius Research Laboratory	5
A survey of awareness, behaviour and level of sensitivity of students towards environmental issues among students of St. Xavier's College, Mumbai	Life Science and Biochemistry	3
Global Climate Change and Social Justice	Life Science and Biochemistry	24
Studying chick retinal neurogenesis	Life Science and Biochemistry	5
Algal CO ₂ scrubber for use in air purifiers	Life Science and Biochemistry	4
From College to Corporate – A Soft skills course.	Statistics	35
Primary Market Research	Statistics	15
Applications of Distributions in Industry	Statistics	30
Diploma Course in Forensic Science	Zoology	5



NAAC SSR Cycle 4 (2015-2020):
1_3_2_ValueAdded_Course List

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2018 - 19

Name of course	Conducted by Department of	No of students completing the course
Epigraphy and Numismatics of Ancient India	Ancient Indian History, Culture and Archaeology	6
History of Performing Arts & Theatre in Ancient India	Ancient Indian History, Culture and Archaeology	4
Maritime Heritage of Ancient India	Ancient Indian History, Culture and Archaeology	8
Brief study of the Comparative Mythology of the World	Ancient Indian History, Culture and Archaeology	4
Translation, Children's Literature and Travel Writing (3 modules of 12 hours duration each = total 36 hours)	English	4
Research Paper Writing and Presentation at Khandala Seminar on Individual and group differences: exploring and appreciating diversity	Psychology	34
Technical Analysis of stocks	Management Studies	30
Embryonic Tissue Culture: A Primer for Animal Cell Culture Techniques.	Biotechnology	10
Finding Hidden Messages in Biomolecules: Bioinformatics Approach	Biotechnology	8
Bioinformatics : Solution to the Biological Problems	Biotechnology	10
Morphology of fruits and vegetables	Botany	2
Extraction of oils from botanical samples	Botany	11
Open ended project based: Phylogenetic tree of the chitinase enzyme present in various plants using FASTA code	Botany	1
Conserving Artefacts: A Chemical View	Chemistry	9
Research Project: Metal oxide semiconductors as effective photocatalyst: pros and cons	Chemistry	5



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Name of course	Conducted by Department of	No of students completing the course
Research Project: Complex Chemistry	Chemistry	2
Research Project in Food and Environmental Chemistry	Chemistry	15
Applications of Chem-Draw : A tool in Chemistry	Chemistry	8
Research Methodology and Analytical Techniques (Basic)	Caius Research Laboratory	3
Research Methodology and Analytical Techniques (Advanced)	Caius Research Laboratory	8
Mapping the Microscopic Biodiversity of Sanjay Gandhi National Park, Mumbai	Life Science and Biochemistry	3
Estradiol-mediated Development of Retina in Chick Embryo system	Life Science and Biochemistry	8
Animal Tissue Culture	Microbiology	17
Diploma Course in Forensic Science	Zoology	2
Evolution: the cornerstone of science (Honours Course)	Zoology	23
Basic skills in wildlife filmmaking (Honours Course)	Zoology	15



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2017 - 18

Name of course	Conducted by Department of	No of students completing the course
Study of Epigraphic and Numismatics of India: Certificate Course	Ancient Indian History, Culture and Archaeology	2
Mother Earth and her secrets of sustainability: QEP	Ancient Indian History, Culture and Archaeology	51
Psychological Review of Famous Persons, characters, events & trends	Psychology	28
Joy of Self- Discovery and Cosmic Hug	Inter-Religious Studies	15
Sports Business Management	Mass Media	1
Finding Hidden Messages in Molecules: Bioinformatics Approach	Biotechnology	19
Primary Tissue Culture	Biotechnology	10
Morphology and identification of vegetables	Botany	3
Digitisation of botanical specimen	Botany	2
Open ended project Determining optimal pH for the synthesis of silver nano particles using black tea extract	Botany	1
Chemistry in Art	Chemistry	10
Research Methodology and Analytical Techniques	Caius Research Laboratory	9
Research Methodology and Advanced Analytical Techniques	Caius Research Laboratory	4
Vertebrate embryonic development - creating a developmental atlas using whole mounts of Chick and Zebrafish embryos.	Life Science and Biochemistry	7
Does estradiol regulate retinal development and neurogenesis?	Life Science and Biochemistry	6
Mapping the Microscopic Biodiversity of Sanjay Gandhi National Park, Mumbai	Life Science and Biochemistry	1



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1_3_2_ValueAdded_Course List


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Name of course	Conducted by Department of	No of students completing the course
ROS studies in yeast	Life Science and Biochemistry	5
Animal Tissue Culture	Microbiology	17
Diploma Course in Forensic Science	Zoology	6
Introduction to BEES : (BEES stand for Behavioural, Ecological and Evolutionary Sciences)	Zoology	12
Ornithology and Herpetology	Zoology	30



NAAC SSR Cycle 4 (2015-2020):
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2016 - 17

Name of course	Conducted by Department of	No of students completing the course
Study of Epigraphic and Numismatics of India: Certificate Course	Ancient Indian History, Culture and Archaeology	5
History of Performing of Arts and Theatre in India : Certificate Course	Ancient Indian History, Culture and Archaeology	1
Maritime Heritage of Ancient India: Certificate Course	Ancient Indian History, Culture and Archaeology	1
Brief Study of the Comparative Mythology of the World: Certificate Course	Ancient Indian History, Culture and Archaeology	2
Application of Psychology to current events/phenomena	Psychology	41
Hinduism and Buddhism	Inter-Religious Studies	6
Sports Business Management	Mass Media	5
Permanent slides preparation.	Botany	8
Open ended project based	Botany	3
Synthesis and Isolation of some Organic Compounds: An Analytical Approach	Chemistry	15
Research Project in Pharmaceutical Chemistry	Chemistry	11
Research Project in Food and Environmental Chemistry	Chemistry	10
Estimation of Copper Extracted from an Ayurvedic Drug Tamra Bhasm by Various Analytical Techniques	Chemistry	7
Research Methodology and Analytical Techniques	Caius Research Laboratory	11
Neurogenesis and Differentiation in Chick retina	Life Science and Biochemistry	5
Fluorescent studies of Oxidative Stress	Life Science and Biochemistry	5



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Name of course	Conducted by Department of	No of students completing the course
Life in a Drop – II	Life Science and Biochemistry	4
Nutritional Assessment of Students of St. Xavier's College, Mumbai	Life Science and Biochemistry	2
Animal Tissue Culture	Microbiology	14
Diploma Course in Forensic Science	Zoology	8
Introduction to Bioinformatics	Zoology	12



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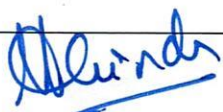
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2015 - 16

Name of course	Conducted by Department of	No of students completing the course
Study of Epigraphic and Numismatics of India : Certificate Course	Ancient Indian History, Culture and Archaeology	1
History of Performing of Arts and Theatre in India : Certificate Course	Ancient Indian History, Culture and Archaeology	1
Maritime Heritage of Ancient India : Certificate Course	Ancient Indian History, Culture and Archaeology	1
Learning & Memory	Psychology	26
Joy of Self Discovery	Inter-Religious Studies	7
Awaken to Cosmic Compassion	Inter-Religious Studies	9
Partners for Urban Knowledge and Research (PUKAR)	Mass Media	14
Bio-synthesis of Silver Nanoparticles and Study of their Size Selectivity and Stability with Different Capping Agents.	Chemistry	5
Development and Validation of an Antimicrobial Agent/S from a Combined Pharmaceutical Drug Formulation using Spectrophotometry	Chemistry	10
Open ended experiment	Life Science and Biochemistry	18
Screening of Natural Sources for Inhibition of Biofilm formation	Life Science and Biochemistry	4
Use of Fluorescence Microscopy to Study Reactive Oxygen Species (ROS) Stress in Ethanol Producing Yeast	Life Science and Biochemistry	4



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Name of course	Conducted by Department of	No of students completing the course
Hypoxia and Reproductive fitness in Daphnia	Life Science and Biochemistry	2
A study of the effects of Stress on Chironomus larvae	Life Science and Biochemistry	4
Animal Tissue Culture	Microbiology	9
Diploma Course in Forensic Science	Zoology	6
Basic astrobiology: is there life elsewhere in the universe?	Zoology	16
DNA damage and repair	Zoology	15
Ornithology and Herpetology	Zoology	16



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