



SRI VENKATESWARA COLLEGE
(University of Delhi)

Managed by Tirumala Tirupati Devasthanams (TTD)
NAAC Accredited "A" Grade (2016), DBT Star College Status (2016)
NIRF Rank # 14 (2020), NIRF #11(2021)

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CRITERIA 2

SUPPORTING DOCUMENT

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies used for enhancing learning experiences

List of student centric methods, such as experiential learning, participative learning and problem solving methodologies used for enhancing learning experiences

Department	Name of Teacher	Year	Methodology used for enhanced learning experience	Activity Link on College Website
B.Sc.(Hons) Bio-Chemistry	Dr. N. Latha	2016-2021	Experiential Learning A) Educational Trip to Industries - Dabur , Yakult (2018) ; Open House Trip to IGIB ; B) Faculty guided projects - DU-CIC (2016 -2018) ; Summer Internship(2016-2020) ; SRIVIPRA (2019, 2020) Participative Learning A) Student Trips for Popular lectures- CIDRET,UDSC B) Group Discussions C) Value Added Experiments & Problem Solving Methodologies A) Student Discussion through Case studies & Analytical Thinking problems B) Quizzes	http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2018-19/SVC%202018-19%20BIOCHEM%20NK%201.pdf http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/Miscellaneous/Others/Experiential%20learning%20proofs_Biochemistry.pdf
B.Sc.(Hons) Bio-Chemistry	Dr. Anju Kiacker	2016-2021	Field trip to JALMA Institute, Agra (2016-17), Panacea Biotech, Delhi(2017-18, IMTECH and IISER Chandigarh and RCB (2018-19) Value added experiments were done with students, Class presentation were held, SRI-VIPRA(2020), Interview with Nobel Laureate Prof. V. Ramakrishnan and Prof. Shahid Jameel	http://www.svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2016-17/SVC%202016-17%20BIOCHEM%20AK%201.pdf http://www.svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2017-18/SVC%202017-18%20BIOCHEM%20AK%201.pdf http://www.svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2018-19/SVC%202018-19%20BIOCHEM%20AK%201.pdf

B.Sc.(Hons) Bio- Chemistry	Dr. Nandita Narayansamy	2016-2021	<p>Experiential Learning: 1. Educational trips to Industries- Dabur (2017) 2. Educational trips to Institutes- NDRI IISER(2018) RCB- (2019) 3 Open house trip to IGIB (2018) 4. Poster presentation at Conferences - Goa (2017), Shivaji College(2019) 5. Faculty Guided Projects - DU innovation SVC 315(2016); DU-CIC (2016-2018); SRI-VIPRA(2019,2020) 7. Interviews with eminent scientists , administrators and industrialists (2016-2019) Participative learning: 1. Value added experiments (2016-2021) 2. Survey based experiments (2018, 2020) 3. Class presentations and group discussions 4. Peer learning 5. Remedial classes (2020) Methodologies: Quizzes, Analytical and Case study based questions, Paper reviews</p>	<p>http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2016-17/SVC%202016-17%20BIOCHEM%20NN%201.pdf</p> <p>http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/SocietyActivityReports/2019-20/SVC%202019-20%20BIOCHEM%20SOC%203.pdf</p> <p>http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/SocietyActivityReports/2019-20/SVC%202019-20%20BIOCHEM%20SOC%207.pdf</p>
B.Sc.(Hons) Bio- Chemistry	Dr. Shalini Sen	2016-2021	<p>Experiential Learning: Field trips to IGIB, New Delhi, Dabur Research Foundation, Sahibabad and JALMA Institute, Agra (2016-2017) NDRI, Karnal and IISER, Mohali (2017-2018), Interview with Nobel Laureate Prof.V.Ramakrishnan, Member of the Editorial Board of department magazine Expressions (2017-2018 and 2018-2019), Value added experiments, Classroom Presentations by students with discussions</p>	<p>http://www.svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2016-17/SVC%202016-17%20BIOCHEM%20AK%201.pdf</p> <p>http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2017-18/SVC%202017-18%20BIOCHEM%20SS%202.pdf</p>

B.Sc.(Hons) Bio- Chemistry	Dr. Vandana Malhotra	2016-2021	<p>Experiential Learning A) Educational Trip to Premier Institutes and Incubators - BSC bionest bioincubator, Regional Center for Biotechnology (2019) ; B) Faculty guided projects - DU-CIC (2016 -2018); SRIVIPRA (2019, 2020, 2021); C) Interviews with eminent scientists (2017) D) Poster Presentation in International Conference (2017) and (2020) Participative Learning A) Value added experiments (2016-2021); B) Survey based article writing (2016) and Student-faculty article (2017); C) Internships Seminars D) Class presentations and E) Group Discussions F) Sustainable Development Initiatives Problem Solving Methodologies A) Discussion through Case studies & Analytical questions B) mcqs and Quizzes</p>	<p>http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2019-20/SVC%202019-20%20BIOCHEM%20VM%201.pdf</p> <p>http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2019-20/SVC%202019-20%20BIOCHEM%20VM%202.pdf</p> <p>http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2019-20/SVC%202019-20%20BIOCHEM%20VM%203.pdf</p> <p>http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2019-20/SVC%202019-20%20BIOCHEM%20VM%204.pdf</p> <p>http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2016-17/SVC%202016-17%20BIOCHEM%20VM%201.pdf</p>
B.Sc.(Hons) Bio- Chemistry	Dr. Nitika Kaushal	2016-2021	<p>Educational Field trip to Yakult Danone (2018) Value added experiments Class presentations and Group discussions</p>	<p>http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/TeacherActivityReports/2018-19/SVC%202018-19%20BIOCHEM%20NK%201.pdf</p>

B.Sc.(Hons) Bio- Chemistry	Dr. Nimisha Sinha	2016-2021	Experiential Learning (1) Faculty guided projects: Summer Internship (2018); SRIVIPRA (2019, 2020) (2) Poster Presentation in National Conference (2017) (3) Simulators based teaching and learning in Practicals (4) Educational Field trip (Yakult); Participative Learning (1) Value added experiments (2016-2021) (2) Class presentations (3) Internships (4) Class Group Discussions (5) Research articles based teaching and interactions; Problem Solving Methodologies (1) Case studies based teaching and discussions (2) Analytical questions in the form of MCQ, Quizzes.	http://svc.ac.in/SVC_MAIN/Departments/Biochemistry/SocietyActivityReports/2020-21/SVC%202020-21%20BIOCHEM%20SOC%209.pdf
B.Sc.(Hons) Zoology	Dr. Om Prakash & Dr. Vagisha Rawal	20th Oct- 23th Oct, 2016	Educational tour to Jim Corbett National Park and Mukteshwar	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2016-17/SVC2016-2017%20ZOO%20OP%20I.pdf
B.Sc.(Hons) Zoology	Dr. Mansi Verma, Dr. P. Jayaraj, Dr. Rajendra Phartyal	2016-2017	IMTECH, Chandigarh tour and lab visit	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2016-17/SVC%202016-17%20ZOO%20MV%202.pdf
B.Sc.(Hons) Zoology	Dr. Vagisha Rawal	22th March, 2016	A Visit to Delhi Zoo	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2016-17/SVC2016-2017%20ZOO%20VR%201.pdf
B.Sc.(Hons) Zoology	Dr. Anita Verma	2017-2019	Visit to AIIMS Pulmonary Medicine department for spirometry test and interaction with the doctors to understand the various pulmonary disorders	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2017-18/SVC%202017-18%20ZOO%20AV%201.pdf http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC%202018-19%20ZOO%20AV%201.pdf

B.Sc.(Hons) Zoology	Dr Vartika Mathur	2017-2018	Field trip to Corbett National Park	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2017-18/SVC%202017-2018%20ZOO%20VM%202.pdf
B.Sc.(Hons) Zoology	Dr. Om Prakash & Dr. Vagisha Rawal	28th Oct- 31th Oct, 2017	Educational Trip to Ranthambore Tiger Reserve and Jaipur	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2017-18/SVC%202017-2018%20ZOO%20OP%20I.pdf
B.Sc.(Hons) Zoology	Dr Vartika Mathur	2018-2019	Field trip to Corbett National Park	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2017-18/SVC%202017-2018%20ZOO%20VM%202.pdf
B.Sc.(Hons) Zoology	Dr Preeti Khandelwal	25th February 2018	Field visit to Aquarium shop	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2017-18/SVC%202017-18%20ZOO%20PK%201.pdf
B.Sc.(Hons) Zoology	Dr. Aarti Seherawat	29th March 2018	Hands on Training and demonstration of Biogas and Waste Water Treatment, Sulabh Social Organization, Delhi	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2017-18/SVC%202017-18%20ZOO%20Aas%201.pdf
B.Sc.(Hons) Zoology	Dr. Aarti Seherawat	31st July 2018	Workshop on "Menstrual Hygiene Education"	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC%202018-19%20ZOO%20Aas%201.pdf
B.Sc.(Hons) Zoology	Dr. Aarti Seherawat & Dr. Vartika Mathur	24th Sept 2018	Visit to Sanjay Van, Delhi	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC%202018-19%20ZOO%20Aas%202.pdf
B.Sc.(Hons) Zoology	Dr Vartika Mathur and Dr Vagisha Rawal	2019-2020	Field trip to Rajaji national Park	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2019-20/SVC%202019-20%20ZOO%20VM%201.pdf

B.Sc.(Hons) Zoology	Dr. Anita Verma & Dr. Vagisha Rawal	20th sept 2019	Visit to National Institute of Malaria Research	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2019-20/SVC2019-2020%20ZOO%20VR%201.pdf
B.Sc.(Hons) Zoology	Dr. P. Jayaraj	2019	Faculty guided project :Immunohistochemical assessment of telomerase reverse transcriptase (TERT) in eye lid carcinoma: hand on training on immunohistochemistry at All india Institute of Medical Science	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC%202018-19%20ZOO%20PJ%201.pdf
B.Sc.(Hons) Zoology	Dr. Vagisha Rawal	6th April, 2019	A Visit to Delhi Zoo	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC2018-2019%20ZOO%20VR%202.pdf
B.Sc.(Hons) Zoology	Dr. Vagisha Rawal	14th March- 21th March, 2019	Educational Trip to Gujarat-Diu-Gir	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC2018-2019%20ZOO%20VR%201.pdf
B.Sc.(Hons) Zoology	Dr. Vagisha Rawal, Dr. Namita Nayyer, Dr. Riyaz Bakshi	8th April, 2019	Hands on Training and demonstration of Biogas and Waste Water Treatment, Sulabh Social Organization, Delhi	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC2018-2019%20ZOO%20VR%203.pdf
B.Sc.(Hons) Zoology	Dr. Anita Verma & Dr. Richa Misra	2019	Visit to AIIMS for Spirometer demonstration	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC%202018-19%20ZOO%20AV%201.pdf
B.Sc.(Hons) Zoology	Dr. Preeti Khandelwal	20th February 2019	Visit to aquaculture lab and fish endocrinology lab - Department of Zoology	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC%202018-19%20ZOO%20PK%201.pdf
B.Sc.(Hons) Zoology	Dr. Aarti Seherawat	16th Feb 2019	Visit to IARI for hands on training on vermicomposting	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC%202018-19%20ZOO%20Aas%203.pdf

B.Sc.(Hons) Zoology	Dr. Rajendra Phartyal, Dr. Mansi Verma, Dr. Aarti Seherawat Dr. Sadqua Shameem	2018-2019	Visit to Geology Museum, University of Delhi	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2018-19/SVC%202018-19%20ZOO%20RP1.pdf
B.Sc.(Hons) Zoology	Dr. Om Prakash & Dr. Preeti Khandelwal	25th Sept- 23th Sept2019	Educational tour to Kedarnath Wildlife Sanctuary - Chopta-Tungnath (Utrakhand)	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2019-20/SVC%202019-20%20ZOO%20OP%201.pdf
B.Sc.(Hons) Zoology	Dr. Sadqua Shameem &Dr. Aarti Seherawat	21st February 2020	Visit to Geology Museum, University of Delhi	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2019-20/SVC%202019-20%20ZOO%20SS2.pdf
B.Sc.(Hons) Zoology	Dr. Sadqua Shameem	22nd Feb 2020	Visit to Sanjay Van Biodiversity Park.	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2019-20/SVC%202019-20%20ZOO%20SS1.pdf
B.Sc.(Hons) Zoology	Dr. Aarti Seherawat Dr. Riyaz Bakshi,Dr. Sadqua Shameem	13th Feb 2020	Hands on Training and demonstration of Biogas and Waste Water Treatment, Sulabh Social Organization, Delhi	http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2019-20/SVC%202019-20%20ZOO%20Aas%201.pdf
B.Sc.(Hons) Pysics	Dr. Anant Pandey	2019-2020	One Day National Science Day Programme at Inter-University Accelerator Centre, New Delhi	http://www.svc.ac.in/SVC_MAIN/Departments/Physics/SocietyActivityReports/2019-20/Y1920E2IUAC.pdf
B.Sc.(Hons) Pysics	Dr. Anant Pandey	2018-2019	One Day National Science Day Programme at Inter-University Accelerator Centre, New Delhi	http://www.svc.ac.in/SVC_MAIN/Departments/Physics/SocietyActivityReports/2018-19/Y1819E2SciFair.pdf

B.Sc.(Hons) Chemistry	Dr. Sanjay Kumar	2016-2017	Educational Trip to Udaipur	http://www.svc.ac.in/SVC_MAIN/Departments/Chemistry/TeacherActivityReports/2016-17/SVC%202016-17%20CHEM%20SK%201.pdf
B.Sc.(Hons) Chemistry	Dr. Sanjay Kumar	2018-2019	Educational trip to 'Mohanlal Sukhadia University' Udaipur	http://www.svc.ac.in/SVC_MAIN/Departments/Chemistry/SocietyActivityReports/2018-19/SVC%202018-19%20CHEM%20SOC%202.pdf
B.Sc.(Hons) Chemistry	Dr. Sanjay Kumar	2018-2019	Educational visit to Sun Pharma, (Gurugram)	http://www.svc.ac.in/SVC_MAIN/Departments/Chemistry/SocietyActivityReports/2018-19/SVC%202018-19%20CHEM%20SOC%204.pdf
B.Sc.(Hons) Botany	Dr. Neeti Mehla, Dr. Aditi Kothari- Chhajer, Botany Department	2018	Guided Project - Tissue Culture studies in Medicinal plants- Anacyclus pyrethrum, Bacopa monnieri	http://www.svc.ac.in/SVC_MAIN/Departments/Botany/TeacherActivityReports/2018-19/SVC_BOT_2018-2019_NM4.pdf
B.Sc.(Hons) Botany		2019	Guided Project - Effect of water soluble carbon nanotubes on germination of seeds	http://www.svc.ac.in/SVC_MAIN/Departments/Botany/TeacherActivityReports/2018-19/SVC_2018-19_BOT_AKC_3.pdf
B.Sc.(Hons) Botany	Dr. Neeti Mehla(Botany)	2016	Industrial visit to Dabur Research Foundation Institute	http://www.svc.ac.in/SVC_MAIN/Departments/Botany/TeacherActivityReports/2016-17/SVC_2016-2017_BOT_NM1.pdf
B.Sc.(Hons) Botany	Dr. Pooja Gokhale Sinha	2018-2019	Field trip to Mother Dairy plant under the DSE paper: Industrial and Environmental Microbiology	http://www.svc.ac.in/SVC_MAIN/Departments/Botany/TeacherActivityReports/2018-19/SVC%202018-19%20BOT%20PGS%201%20Mother%20dairy%20visit.pdf
B.Sc.(Hons) Botany	Tabassum Afshan (Botany)	2017	An educational excursion was conducted to Mukteshwar and Nainital in the month of October 2017.	http://www.svc.ac.in/SVC_MAIN/Departments/Botany/TeacherActivityReports/2017-18/SVC_BOT_2017-2018_TA1.pdf

B.Sc.(Hons) Botany	Tabassum Afshan (Botany)	2018	An educational excursion was conducted to Dhanaulti and Dehradun in the month of March 2018.	http://www.svc.ac.in/SVC_MAIN/Departments/Botany/TeacherActivityReports/2017-18/SVC_BOT_2017-2018_PT.pdf
B.Sc.(Hons) Botany	Tabassum Afshan (Botany)	2018	Field trip to Tribal Museum, Jhandewalan, New Delhi.	http://www.svc.ac.in/SVC_MAIN/Departments/Botany/TeacherActivityReports/2018-19/SVC_BOT_2018-2019_TA2.pdf
B.Sc.(Hons) Botany	Dr. Pamil Tayal	2018	Botanical excursion to Dhanaulti and FRI, Dehradun	http://www.svc.ac.in/SVC_MAIN/Departments/Botany/TeacherActivityReports/2017-18/SVC_BOT_2017-2018_PT.pdf
B.Sc.(Hons) Botany	Dr. Pamil Tayal	2019	Field Trip to Tribal Museum, Jhandewalan, New Delhi	http://www.svc.ac.in/SVC_MAIN/Departments/Botany/TeacherActivityReports/2019-20/SVC_BOT_2020_PT.pdf
B.Com (Hons) and B.Com	Dr. Mamta Arora & Neha Singhal	2020-21	Webinar on intelligences of highly effective people	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/TeacherActivityReports/2020-21/SVC%202020-21%20COM%20NS%201.pdf
B.Com (Hons) and B.Com	Dr. Mamta Arora & Neha Singhal	2020-21	Informative session on response of various economies in the current scenario	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/TeacherActivityReports/2020-21/SVC%202020-21%20COM%20NS%203.pdf
B.Com (Hons) and B.Com	Dr. Mamta Arora & Neha Singhal	2020-21	Growing relevance of Cyber Law	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/TeacherActivityReports/2020-21/SVC%202020-21%20COM%20NS%202.pdf
B.Com (Hons) and B.Com	Dr Shruti Mathur & Dr. Neha Singhal	2019-20	Company visit to Neel Metal Products Ltd	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/TeacherActivityReports/2019-20/SVC%202019-20%20COM%20NS%201.pdf

B.Com (Hons) and B.Com	Dr. Neha Singhal	2018-19	Industrial trip to Hindustan Coca-Cola Beverages Pvt Ltd	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/TeacherActivityReports/2018-19/SVC%202018-19%20COM%20NS%201.pdf
B.Com (Hons) and B.Com	Dr. Neha Singhal	2017-18	Industrial trip to MORIROKU TECHNOLOGIES	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/TeacherActivityReports/2017-18/SVC%202017-18%20COM%20NS%201.pdf
B.Com (Hons) and B.Com	Dr. Mamta Arora & Neha Singhal	2016-17	Industrial trip to Honda Motors factory	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/TeacherActivityReports/2016-17/SVC%202016-17%20COM%20NS%201.pdf
B.Com (Hons) and B.Com	Dr. Neha Singhal	2016-21	Throughout the AY, various methodologies such as GDs, Interview preparation (for placement as an internal auditor), case studies, power point presentations, Quizzes using KAHOOT app are used to ensure an interactive and innovative teaching learning process. Students are encouraged to come up with their own perspective by giving them complex situations of turbulent environment.	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/Miscellaneous/InnovativePedagogy.pdf
B.Com (Hons) and B.Com	Dr. Arpita Kaul	2021	Movie screening on Mission Mangal on MS Teams in the Class of Leadership and Team Development followed by an assignment on the same.	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/Miscellaneous/InnovativePedagogy.pdf
B.Com (Hons) and B.Com	Dr. Arpita Kaul	2021	Questionnaire on leadership	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/Miscellaneous/InnovativePedagogy.pdf
B.Com (Hons) and B.Com	Dr. Arpita Kaul	2020	Students made advertisement online and presented in class	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/Miscellaneous/InnovativePedagogy.pdf

B.Com				
B.Com (Hons) and B.Com	Dr. Arpita Kaul	2020	Assignment on advertising appeals where students shared you tube files	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/Miscellaneous/InnovativePedagogy.pdf
B.Com (Hons) and B.Com	Dr. Arpita Kaul	2020	Questionnaire on Rokeach Value Survey	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/Miscellaneous/InnovativePedagogy.pdf
B.Com (Hons) and B.Com	Dr Pooja Jain	2016-21	Group discussions, case studies, power point presentations, quizzes are used to foster participative learning among students. Group Learning is encouraged among students that allow the slow learners to develop problem solving, interpersonal, presentational and communication skills to confirm quality in learning with peer group.	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/Miscellaneous/InnovativePedagogy.pdf
B.Com (Hons) and B.Com	Dr Pooja Jain	2020-21	I try to foster learning environment by engaging in rich experiential content through visual aids, short videos, practicals, live projects etc.	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/Miscellaneous/InnovativePedagogy.pdf
B.Com (Hons) and B.Com	Dr. Arpita Kaul	2019	Blended Learning, shared videos with class made by me	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/Miscellaneous/InnovativePedagogy.pdf
B.Com (Hons) and B.Com	Dr. Shruti Mathur	2016-21	Use of case studies, movie clips and you tube videos to engage students and develop analytical mindset in them. The assignments are also to be presented and case analysis and discussion to be done by student as applicable.	http://www.svc.ac.in/SVC_MAIN/Departments/Commerce/Miscellaneous/InnovativePedagogy.pdf
B.A.(Hons) Economics	Dr. M Padma Suresh	2016-17	Workshop on "Introduction to R for Statistics and Basic Econometrics" for students of BA(Hons) Economics Semester 4	http://www.svc.ac.in/SVC_MAIN/Departments/Economics/TeacherActivityReports/2020-21/SVC%202020%20-21%20ECO%20MPS%201.pdf
B.A.(Hons) Economics	Dr. Krishna Kumar S	2020	Online internship research project on Sovereign Debt Crisis 2021	http://svc.ac.in/SVC_MAIN/Departments/Commerce/TeacherActivityReports/2019-20/SVC%202019-20%20COM%20AK%202.pdf

B.A.(Hons)Sociology	Dr. Nupurnima Yadav	2019	Field-trip	http://www.svc.ac.in/SVC_MAIN/Departments/Sociology/TeacherActivityReports/2018-19/Activity%20Report%20Nupurnima%20Yadav%20(1)%202018-19.pdf
B.A.(Hons)History	Late Neeraj Sahay, Nuti Namita	2016	Educational Outstation Trip to Udaipur/Mount Abu, Rajasthan	http://www.svc.ac.in/SVC_MAIN/Departments/History/SocietyActivityReports/2016-17/SVC_2016-17_HIST_SOC_4.pdf
B.A.(Hons)History	Rajni Chandiwai	2017	Educational Trip to Heritage Monument Ferozshah Kotla Monument	http://www.svc.ac.in/SVC_MAIN/Departments/History/TeacherActivityReports/2016-17/SVC_2016-17_HIST_RC_1.pdf
B.A.(Hons)History	Late Neeraj Sahay, Rajni Chandiwai	2017	Educational Outstation Trip to Sanchi & Bhimbetka, Madhya Pradesh	http://www.svc.ac.in/SVC_MAIN/Departments/History/SocietyActivityReports/2017-18/SVC_2017-18_HIST_%20SOC_1.pdf
B.A.(Hons)History	Nirmal Kumar, Late Neeraj Sahay, Rajbir Kaur, Rajni Chandiwai	2017	Educational Study Tour to Kurukshetra and Shiekh Chilli's Tomb, Haryana	http://www.svc.ac.in/SVC_MAIN/Departments/History/SocietyActivityReports/2017-18/SVC_2017-18_HIST_SOC_2.pdf
B.A.(Hons)History	Rajni Chandiwai	2018	College Heritage Volunteer Workshop' organised by Indian National Trust for Art and Cultural Heritage(INTACH) 2018	http://www.svc.ac.in/SVC_MAIN/Departments/History/TeacherActivityReports/2017-18/SVC_%202017-18_HIST_%20RC_2.pdf
B.A.(Hons)History	Nirmal Kumar, Late Neeraj Sahay, Rajbir Kaur, Nuti Namita	2018	Educational Trip to Fatehpur Sikri, Agra	http://www.svc.ac.in/SVC_MAIN/Departments/History/SocietyActivityReports/2017-18/SVC_2017-18_HIST_SOC_7.pdf
B.A.(Hons)History	Rajni Chandiwai, Rajbir Kaur	2018	Educational Field Visit to National Museum	http://www.svc.ac.in/SVC_MAIN/Departments/History/SocietyActivityReports/2018-19/SVC_2018-19_HIST_SOC_1.pdf

B.A.(Hons)History	Nirmal Kumar Late Neeraj Sahay Rajbir Kaur Rajni Chandiwal	2018	Educational Trip to Dholavira, Gujarat	http://www.svc.ac.in/SVC_MAIN/Departments/History/SocietyActivityReports/2018-19/SVC_2018-19_HIST_SOC_3.pdf
B.A.(Hons)History	Rajbir Kaur	2019	'College Heritage Volunteer Workshop' organised by Indian National Trust for Art and Cultural Heritage (INTACH) 2019	http://www.svc.ac.in/SVC_MAIN/Departments/History/TeacherActivityReports/2018-19/SVC_2018-19_HIST_RK_1.pdf
B.A.(Hons)History	Nirmal, M.Jeevan, Rajbir Kaur, Rajni Chandiwal	2019	Heritage Walk to Qutub Complex and ASI Park Monuments	http://www.svc.ac.in/SVC_MAIN/Departments/History/SocietyActivityReports/2018-19/SVC_2018-19_HIST_SOC_4.pdf
B.A.(Hons)History	Nuti Namita	2019	Educational Trip to Lal Qila, New Delhi	http://www.svc.ac.in/SVC_MAIN/Departments/History/TeacherActivityReports/2019-20/SVC_2019-20_HIST_NN_2.pdf
B.A.(Hons)History	Nuti Namita	2020	'College Heritage Volunteer Workshop' organised by Indian National Trust for Art and Cultural Heritage (INTACH) 2020	http://www.svc.ac.in/SVC_MAIN/Departments/History/TeacherActivityReports/2019-20/SVC_2019-20_HIST_NN_3.pdf
B.A.(Hons)History	Late Neeraj Sahay, Rajni Chandiwal	2020	Educational Outstation Trip to Jodhpur	http://www.svc.ac.in/SVC_MAIN/Departments/History/SocietyActivityReports/2019-20/SVC_2019-20_%20HIST_SOC2.pdf
B.A.(Hons)Political Science	Dr Haokam	2018-19	Parliament visit with students	http://www.svc.ac.in/SVC_MAIN/Departments/PoliticalScience/TeacherActivityReports/2018-19/SVC%202018-19%20POL%20HV%201.pdf
B.A.(Hons)Political Science	Dr Santosh Kumar Singh	2017-18	MCD election opinion poll	http://www.svc.ac.in/SVC_MAIN/Departments/PoliticalScience/TeacherActivityReports/2017-18/SVC%202017-18%20SKS%2002.pdf

ADDITIONAL PROOFS ON EXPERIENTIAL LEARNING

Special screening of TED talks was also done on Feb 28, 2018 as a part of National Science Day celebrations in the College

http://svc.ac.in/SVC_MAIN/IQAC/IQAC%20Activity/Activity%20Report%20National%20Science%20Day%202018-19.pdf

SRI VENKATESWARA COLLEGE
(University of Delhi)
celebrates

NATIONAL SCIENCE DAY

February 28, 2018

National Science Day in India
Feb 28

On this day in 1928, Sir C.V. Raman discovered a phenomenon of scattering of photons which was later known as 'Raman Effect' after his name

In 1930, he was awarded the Nobel Prize for this remarkable discovery and was the first Nobel Prize for India in the field of Science.

Sir Chandrasekhara Venkata Raman

Some of the TED Talks screened -

Link 1.: Dr Manu Prakash (Foldscope)

https://ted.com/talks/manu_prakash_paper_instruments_that_bring_science_to_everyone?utm_source=tedcomshare&utm_medium=email&utm_campaign=tedsread

Link 2: Dr. Venkatraman "Venki" Ramakrishnan- Nobel Laureate Lecture

<https://youtu.be/MktZsKh-zXQ>

Link 3: Drew Berry (Animations In Biology)

https://ted.com/talks/drew_berry_animations_of_unseeable_biology?utm_source=tedcomshare&utm_medium=email&utm_campaign=tedsread

Link 4: Dr Sobha Tule (Our Flexible Brains)

https://www.ted.com/talks/shubha_tole_our_flexible_brains/transcript?language=en

Link 5: Dr Mina Bissell (Cancer cure)

https://ted.com/talks/mina_bissell_experiments_that_point_to_a_new_understanding_of_cancer?utm_source=tedcomshare&utm_medium=email&utm_campaign=tedsread

Link 6 Dr Arvind Gupta (Trash to toy)

https://ted.com/talks/arvind_gupta_turning_trash_into_toys_for_learning?utm_source=tedcomshare&utm_medium=email&utm_campaign=tedsread

ROBOTICS IN B.SC (HONS) ELECTRONICS





EXHIBITIONS/ INDUSTRIAL TRIPS

CTEP STALLS

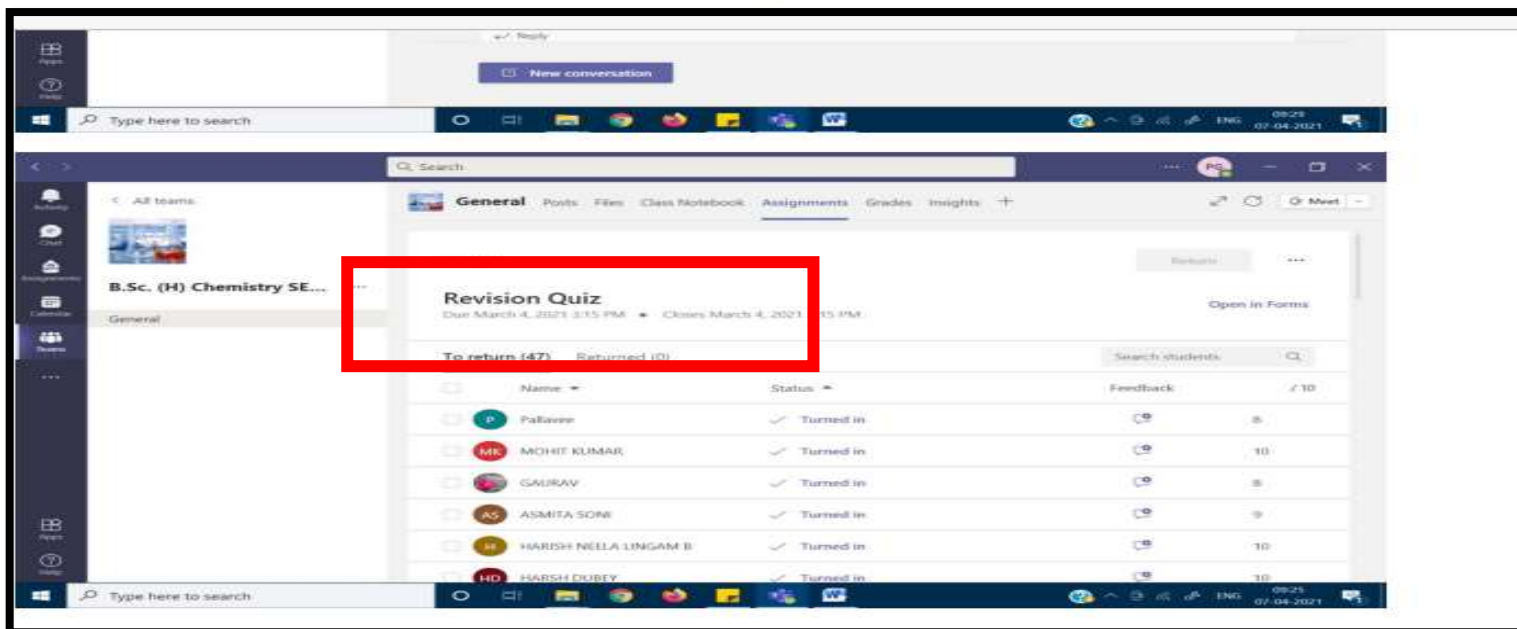


INDUSTRIAL VISIT TO NEEL METAL PRODUCTS



QUIZZES CONDUCTED BY VARIOUS DEPARTMENTS

The image shows a screenshot of a Microsoft Forms quiz interface. The title of the quiz is "Revision Quiz (B.Sc. (H) Chemistry SEM-I (Practical Batch-II))", which is highlighted with a red rectangular box. Below the title, it states "All the questions are compulsory". A message reads: "Hi Pragya, when you submit this form, the owner will be able to see your name and email address." A red asterisk indicates a required question: "1. A solution made of a weak acid and its conjugate base is * (1 Point)". Two radio button options are visible: "neutral" and "homogeneous". The interface includes a search bar at the top, a navigation sidebar on the left, and a Windows taskbar at the bottom.



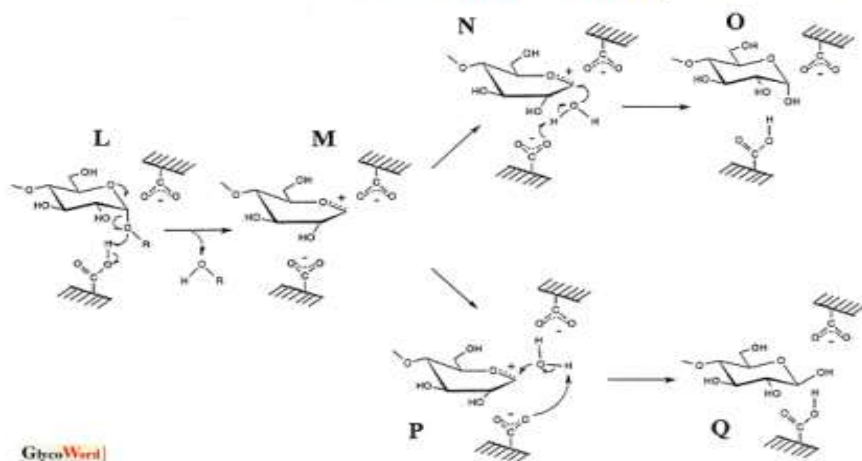
Quizzes conducted by faculty members for the students

1. http://svc.ac.in/SVC_MAIN/Departments/Commerce/TeacherActivityReports/2020-21/SVC%202020-21%20COM%20PR%201.pdf
2. http://svc.ac.in/SVC_MAIN/Departments/Commerce/TeacherActivityReports/2020-21/SVC%202020-21%20COM%20PR%201.pdf
3. http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/SocietyActivityReports/2019-20/SVC%202019-20%20ZOO%20SOC1.pdf
4. http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/SocietyActivityReports/2018-19/SVC%202018-19%20ZOO%20SOC1.pdf
5. http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/SocietyActivityReports/2019-20/SVC%202019-20%20ZOO%20SOC3.pdf
6. http://www.svc.ac.in/SVC_MAIN/Departments/Zoology/TeacherActivityReports/2020-21/SVC%202020-21%20ZOO%20OP%201.pdf

VALUE ADDED EXPERIMENTS IN CHEMISTRY

AIM : To study the effect of copper sulphate as an inhibitor of α -amylase.

Dr. Sharda Pasricha, Dr Shefali Shukla, Dr. Pragya Gahlot



GlycoWord

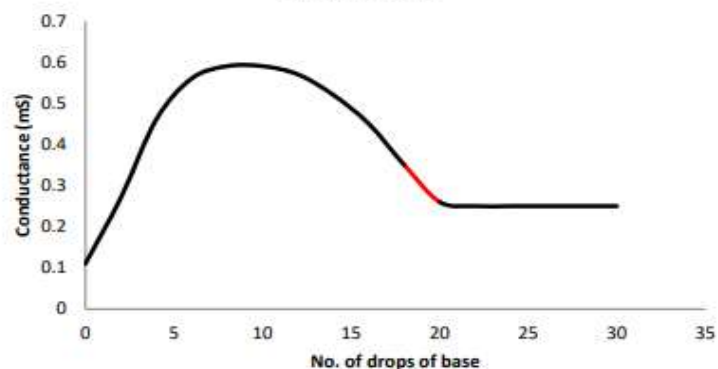
Amylases are hydrolases, acting on α -1,4-glycosidic bonds. It requires chloride/Bromide ion for its catalytic activity in the active site(**co-factor**). Calcium ions are required to hold the three dimensional structure of the protein. In the absence of calcium ions the protein unfolds and loses its catalytic activity. Activity of an enzyme can be inhibited by competitive, Non competitive and uncompetitive inhibition. It is possible to identify the type of inhibition through kinetic studies by plotting lineweaver Burk plot for $1/[V]$ v/s $1/[S]$.



Result:
Inhibitory action of copper sulphate on salivary amylase was studied in a pilot experiment by students and it was found that copper sulphate inhibits amylase by Non competitive inhibition.

Conductometric study of acid-base interactions in non-aqueous media.

Titration curve for 3,5-dinitrobenzoic acid versus diethylamine



A graph plotted between volume of diethylamine base added and conductance of the solution.

The highlighted area in the graph shows the mole fraction of base equivalent to the acid content of the solution. The ionic dissociation in the initial acid / base solutions is very low as can be seen from their low conductivities. As the salt formation proceeds, non-conducting ion pairs or higher aggregates are formed. The conductance maxima is due to the complex-ion formation such as,



The hydrogen-bonding tendency of anion and cation can however lead to lower free-ions availability.



Qualitative analysis of different toothpaste samples

Dr. Pragya Gahlot, Mr. Harshvardhan Meena,
Dr. Rekha Yadav



Anion	Experiment	Confirmatory test / Observations	Inference
CO_3^{2-}	Mixture + dilute H_2SO_4	Brisk Effervescence due to evolution due to evolution of colorless gas (CO_2) which turns lime water milky. $\text{CO}_3^{2-} + 2\text{H}^+ \rightarrow \text{H}_2\text{O} + \text{CO}_2 (\uparrow)$ $\text{Ca}(\text{OH})_2 + \text{CO}_2 \rightarrow \text{CaCO}_3 (\downarrow) + \text{H}_2\text{O}$ Milkyness disappears on passing CO_2 gas for long time due to formation of calcium bicarbonate. $\text{Ca}(\text{OH})_2 + \text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{Ca}(\text{HCO}_3)_2$	Carbonate (CO_3^{2-})
Cl^-	Mixture + conc. H_2SO_4 + heat	Colorless gas with pungent smell (HCl) which gives fumes of NH_4Cl by bringing a glass rod dipped in NH_4OH solution near the gas. $\text{Cl}^- + \text{H}^+ \rightarrow \text{HCl}$ $\text{HCl} + \text{NH}_4\text{OH} \rightarrow \text{NH}_4\text{Cl} + \text{H}_2\text{O}$	Chloride (Cl^-)
NO_3^-	Extract + dilute H_2SO_4 + Mohr's salt solution + conc. H_2SO_4 (along the side of test tube)	Formation of brown ring at the junction of two layers. $\text{NaNO}_3 + \text{H}_2\text{SO}_4 \rightarrow \text{NaHSO}_4 + \text{HNO}_3$ $2 \text{HNO}_3 + 6 \text{FeSO}_4 + 3 \text{H}_2\text{SO}_4 \rightarrow 3 \text{Fe}_2(\text{SO}_4)_3 + 2\text{NO} + 4 \text{H}_2\text{O}$ $\text{FeSO}_4 + \text{NO} \rightarrow \text{FeSO}_4 \cdot \text{NO}$	Nitrate (NO_3^-)
SO_4^{2-}	Extract + dilute HCl + BaCl_2	Formation of white precipitate insoluble in conc. HCl . $\text{Na}_2\text{SO}_4 + \text{BaCl}_2 \rightarrow \text{BaSO}_4 (\downarrow) + 2 \text{NaCl}$	Sulphate (SO_4^{2-})

Summarized Results

Anion	A	B	C	D	Cation	A	B	C	D
CO_3^{2-}	Present	Present	Present	Absent	K^+	Absent	Absent	Present	Absent
Cl^-	Present	Absent	Absent	Absent	Pb^{2+}	Absent	Absent	Absent	Absent
NO_3^-	Present	Present	Present	Absent	Ca^{2+}	Present	Present	Present	Present
SO_4^{2-}	Absent	Absent	Absent	Absent	Mg^{2+}	Absent	Absent	Absent	Absent

Cation	Experiment	Observations	Inference
K^+	To original solution (OS) add water and heat followed with dil. acetic acid and few drops of sodium cobalt nitrite solution	Yellow precipitate $\text{Na}_3[\text{Co}(\text{NO}_2)_6] + 2 \text{KCl} \rightarrow \text{K}_2\text{Na}[\text{Co}(\text{NO}_2)_6] (\downarrow) + 2 \text{NaCl}$	K^+ confirmed
Pb^{2+}	In OS add dil. HCl , white ppt. obtained.	Ppt. is divided in three parts (i) I part: Allow it to cool. Appearance of white needle like crystal of PbCl_2 . (ii) II part: Add acetic acid and then potassium chromate, shake it. Yellow ppt. soluble in NaOH . (iii) III part: Add KI solution and warm it gives yellow ppt.	Pb^{2+} confirmed
Ca^{2+}	In residual solution of group IV add NH_4OH followed by addition of saturated solution of $(\text{NH}_4)_2\text{CO}_3$.	Dissolve ppt. in minimum amount of dil. acetic acid, boil the solution to remove CO_2 . Add excess of conc. ammonium sulfate sol. Drop wise and heat it. To centrifugate add NH_4OH and ammonium oxalate. Dissolve the ppt. in conc. HCl and perform flame test, brick red flame confirms Ca^{2+} .	Ca^{2+} confirmed
Mg^{2+}	Evaporate centrifugate from group V with conc. HNO_3 , dilute with distilled water.	To residue add few drops of dil. HCl , followed by addition of dil. NH_4OH and allow it to stand. A white crystalline solid is obtained by scratching the inner sides of the test tube with a glass rod.	Mg^{2+} confirmed

Sri Venkateswara Internship Program for Research in Academics- SRIVIPRA

SRIVIPRA 2019

The College started its in-house internship program SRIVIPRA in the year 2019, wherein nearly 35 students participated under 15 projects. The detailed report is provided at the below link on college website.

http://www.svc.ac.in/SVC_MAIN/SRIVIPRA/Srivipra2019.php

SRIVIPRA 2020

Nearly 290 students undertook training under 39 projects during 2020 edition of SRI VIPRA. Link for the detailed report is as follows:

http://www.svc.ac.in/SVC_MAIN/SRIVIPRA/Srivipra2020.php

SRIVIPRA 2021

SRIVIPRA 2021 saw an overwhelming response from the students. Nearly 362 students have enrolled for 50 odd projects under the mentorship of faculty members.

Notice

http://svc.ac.in/SVC_MAIN/Notice/SRIVIPRA21Website%20notificationStudents.pdf

List of participating students:

http://svc.ac.in/SVC_MAIN/Notice/SRIVIPRA%20INTERNSHIP%20FINAL%20LIST%20OF%20PROJECTS%20AND%20STUDENTS.pdf

http://www.svc.ac.in/SVC_MAIN/SRIVIPRA/Srivipra2021.php

ADD ON COURSES

2016-17				
Name of Add on course offered	Year of offering	Duration of course	Number of students enrolled in the year	Link on Website
Intellectual Property Rights	7th Jan- 25th March, 2017	3 months	19	http://svc.ac.in/SVC_MAIN/AddonCourses/2016-17/IPR%202016-2017.pdf
2017-18				
Name of Add on course offered	Year of offering	Duration of course	Number of students enrolled in the year	Link on Website
Intellectual Property Rights	13th Jan- 14th April, 2018	3 months	36	http://svc.ac.in/SVC_MAIN/AddonCourses/2017-18/IPR%202017-2018.pdf
Ayurbiology	Aug, 2017- Dec, 2017	4 months	18	http://svc.ac.in/SVC_MAIN/AddonCourses/2017-18/Activity%20Report%20on%20AyurBiology%20SVCollege_2017-2018.pdf
Certificate Program in Indian Music & Culture	1st Sep, 2017- 27th Jan, 2018	5 months	11	http://svc.ac.in/SVC_MAIN/AddonCourses/2017-18/Certificate%20for%20Music%20Course%20_2017-18_Sri%20Venkateswara%20College.pdf
2018-2019				
Name of Add on course offered	Year of offering	Duration of course	Number of students enrolled in the year	Link on Website
Entrepreneurship	19th Jan, 2019- 12th April, 2019	3 months	36	http://svc.ac.in/SVC_MAIN/AddonCourses/2018-19/SVC%202018-19%20COM%20_Enterpreunership.pdf
Intellectual Property	12th Jan, 2019-	3 months	55	http://svc.ac.in/SVC_MAIN/AddonCourses/2018-19/IPR%202018-2019.pdf

Rights	13th April, 2019			
Climate Change: Issues, Concerns and Strategies	9th Feb, 2019-7th April, 2019	2 months	46	http://svc.ac.in/SVC_MAIN/AddonCourses/2018-19/Add%20on%202018-2019%20Climate%20change.pdf
Ayurbiology	Aug, 2018-Dec, 2018	4 months	30	http://svc.ac.in/SVC_MAIN/AddonCourses/2018-19/Activity%20Report%20on%20AyurBiology%20SVCollege_2018-2019.pdf
2019-20				
Name of Add on course offered	Year of offering	Duration of course	Number of students enrolled in the year	Link on Website
Entrepreneurship	31st Aug, 2019-9th Nov, 2019	3 months	24	http://svc.ac.in/SVC_MAIN/AddonCourses/2019-20/SVC%202019-20%20COM_%20Entrepreunership.pdf
Climate Change: Issues, Concerns and Strategies	18th Jan, 2020-24th July, 2020	6 months	38	http://svc.ac.in/SVC_MAIN/AddonCourses/2019-20/Add%20on%202019-2020%20Climate%20change.pdf
Data Science	17th Aug, 2019-12th Oct, 2019	2 months	46	http://svc.ac.in/SVC_MAIN/AddonCourses/2019-20/SVC%202019-20%20STATS%20VB%204.pdf
Intellectual Property Rights (IPR)	18th Jan, 2020-31st July, 2020	6 months	41	http://svc.ac.in/SVC_MAIN/AddonCourses/2019-20/IPR%202019-2020.pdf
Certificate Course in Bio-informatics and Computational Biology	Sept 2020-Jan 2021	5 months	42	http://svc.ac.in/SVC_MAIN/AddonCourses/2019-20/Certificate%20Course%20in%20Bioinformatics_2019-20_%20SVCollege%20Delhi.pdf
Ayurbiology	Aug-Dec, 2019	4 months	24	http://svc.ac.in/SVC_MAIN/AddonCourses/2019-20/Activity%20Report%20on%20AyurBiology%20SVCollege_2019-20.pdf

2020-21

Name of Add on course offered	Year of offering	Duration of course	Number of students enrolled in the year	Link on Website
Digital Marketing	16th Jan,2021-3rd April,2021	3months	26	http://svc.ac.in/SVC_MAIN/AddonCourses/2020-21/SVC%202020-21%20COM_Digital%20Marketing.pdf
Climate Change: Issues, Concerns and Strategies	6th March, 2021 - 19th June, 2021	3 months	12	http://svc.ac.in/SVC_MAIN/AddonCourses/2020-21/Add%20on%202020-2021%20Climate%20change.pdf
Bioinformatics and Computational Biology	12th Sep, 2020-6th Feb, 2021	5 months	42	http://svc.ac.in/SVC_MAIN/AddonCourses/2020-21/Certificate%20Course%20in%20Bioinformatics_2020-21_%20SVCollege%20Delhi.pdf