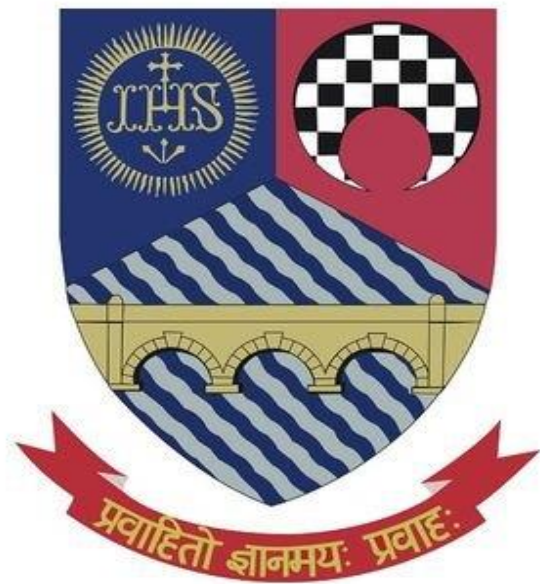


67th Annual Report 2021 – 22



ST. XAVIER'S COLLEGE
(Autonomous) Ahmedabad

ST. XAVIER'S COLLEGE
(Autonomous) Ahmedabad



Annual Report
(2021-22)

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INTRODUCTION

St. Xavier's College, Ahmedabad is a Catholic Minority educational institution run by the Society of Jesus, a religious group which has international reputation. It has nearly 150 institutions of higher education across the world. The College makes it a point to keep in tune with the changing times, so as to offer relevant education. To facilitate this, we provide the students with an environment for all-round development. We help them grow in their mental, physical, aesthetic, social and spiritual potential even as they develop the attitudes of integrity, hard work, honesty and fairness. We help them give their very best, towards building a more inclusive and humane society.

St. Xavier's College maintains a high level of excellence in all aspects, be it academic, sports, cultural events or any other activities. The staff and students together create an environment for growth and learning. Each one's talents are used to develop the students at large. Besides St. Xavier's College tries to excel in the service of the socially discriminated groups. They are attended to with a view to integrate them in the mainstream. The differently abled students are attended with utmost care. All these leads to build a society where all have equal opportunity as children of God.

This year has also been eventful as we were tasked with the submission of the SSR for the NAAC accreditation process; we were also engaged in solving the queries raised through the DVV for the same. The College also got an extension of its Autonomous Status; which was the icing on the cake. This Annual Report presented here lists the initiatives, events and activities conducted during the year. We acknowledge the hard work and dedication of all our students, staff members and administrative staff in providing the collaboration necessary for the efficient functioning of the College.



VISION

To build a more inclusive and humane society by accompanying the youth journeying through higher education; to inspire them to deepen their self-understanding, to develop a critical understanding of reality and a passion for the common good, to become sensitive to the poor and vulnerable and take care of the environment.

MISSION

- *To provide access to excellence in academics, research and service learning to all strata of society with special attention to marginalized groups, discriminated people, and victims of social and economic disparity.*
- *To provide students access to a variety of disciplines so that education is inter- and multi-disciplinary and leads to holistic development.*
- *To create opportunities for self-learning, creativity and innovation.*
- *To provide special academic and personal attention to disadvantaged and differently-abled students.*
- *To promote gender sensitivity and equality.*
- *To develop a scientific temper and encourage the staff and students to engage in research work.*
- *Provide students the means to understand and live in a digitalized world which takes care of Nanoscience and Big Data.*
- *To foster an experience of urban and rural extension work so that students are inspired to look for better opportunities for all.*
- *To foster collaborations with other educational institutes and industries.*
- *To provide opportunities to enhance the employability of the students and their entrepreneurial capacities.*



RECOGNITIONS AND RANKINGS

Extension of Autonomous Status for the College

Recognition is a great motivator. SXCA, in this academic year, has got an extension of its Autonomous status for another five-year term. We would like to use this platform to convey our heartfelt gratitude to our professors, administrative staff, students, Management, Alumni and especially the working committees that were constituted to prepare for the extension of the Autonomous Status.

SSR Submission and DVV Query Solving

It was a tough challenge for the College to submit the SSR for NAAC accreditation in the midst of the severe Covid pandemic. The Team worked very hard for the timely submission on the same on the 19th August 2021 and were able to succeed thanks to the cooperation of Xavier's Parivar. Later, the queries in the form of the DVV were solved and were submitted by the 4th December 2021.

Other Rankings

- *In the NIRF rankings, St. Xavier's College occupies the 57th Position in the list of Top 100 colleges in India.*
- *In the GSIRF rankings, the College is ranked 2nd in the category of Colleges. India Today in its Best Colleges Survey 2021 has ranked the College at the 14th position for BCA, at the 23rd position in Arts and at 25th position in Science in the category of Best Colleges.*

NEW MEMBERS INDUCTED

The Xavier's Parivar is becoming bigger and stronger with many new members beginning their journey with us. Let us welcome Assistant Professors Dr. Supriya Sioni (Department of Psychology), Dr. Raghavi Chakravarthy, Mr. Nidhip Shah and Mr. Rajmohan Nair (Department of Commerce), Ms. Rupali Chudasama (Department of Computer Sciences), Dr. Sweta Patel (Statistics), Dr. Kinjal Shah (Mathematics), and Dr Shyno Baby Paul (English) who have been inducted as Management appointees.



BIDDING FAREWELL

Some of our Management-appointed staff members resigned in order to pursue opportunities elsewhere. Among them were Assistant Professors Ms. Priya Vijayan from the BC-BT Department, Dr. Prashant Patel from Mathematics, Ms Cecil Johny and Ms. Sofia Joseph from the Computer Science Department. Wishing them all the best for their future endeavors.

COMPLETION OF 25 YEARS IN SERVICE

Rendering service to a prestigious institute is a matter of pride for both the one who serves and the recipient of service. This year we are privileged to honour Dr. Puranbhai U Makwana, Dr. Ishwar L Mehra, Dr. Arefa J Mansuri, Prof. Dinesh V Katara and Mr. Satish S Parmar as they complete 25 years in our institution. We appreciate them and their service with grateful heart and assure them of our prayers and of God's blessings.

LOSS OF DEAR ONES

Return to the Heavenly abode is an inevitable reality. We remember and pray that eternal rest and peace be granted to the departed souls of the fathers of Dr. Mallika Sanyal and Dr Francis Christy of the Chemistry department; the Mothers of Dr. Arun Patel and Dr. Nandita Ganguly and the Father of Prof. M. C Patel of Physics department. As we share their sorrow and loss, we are sure they will be comforted with divine strength.

NEW PROGRAMMES AND COURSES

The curriculum offered by the College has contributed to the development of students who are sensitive, competent and employable. The "Xavierite Spirit" encompasses the learning which takes place in the classroom and beyond. It attempts to ingrain a value system through the handholding of students by a committed staff.

The College introduces new courses to keep pace with a world which is changing rapidly thanks to technological advancement and rapid scientific evolution. The Commerce department has started a new program- B.Com General. The Mathematic department started a new self-financed BSc Mathematics program and Department of Computer Science stated an undergraduate program BSc Computer Science [Annexure 1](#)



INNOVATIONS IN TEACHING-LEARNING METHODS

Every year the departments bring about innovation in their teaching-learning methodologies so as to enhance the faculty and students' engagement. The activities range from group discussions, class presentations, Moodle-based teaching and evaluation, extension lectures, assignments, quizzes, modules, debates, etc which are used as interactive learning tools. These initiatives ensure that the students participate and learn the concepts, keeping stride with the mission of the College to fulfil its commitment to the pursuit of excellence in education. The details of the methods adopted by the departments are provided as an [Annexure 2](#). The thrust of these measures is aimed at incorporating the element of understanding while equipping the students to live in a digitalized world. Thus, academics is a part of education and true education must focus on developing all faculties of a person. Keeping this in mind, different activities were conducted to suit the heterogeneity of the class.

MENTORING

The College has tried to address the academic issues of students through mentoring by subject experts of their respective departments. Each department has carried out the mentoring of their students in their own way. For example, the Department of Commerce conducted doubt-solving sessions at regular intervals; assistance is provided by faculty after the lecture to students who have difficulty in understanding the concepts. The Economics Department also conducted some online tutorials to help the slow learners; the improvement due to the same is reflected in the results of the students. The Statistics Department systematically allocated students to their faculty mentors; this helped the slow learners to cope up with their studies. The Physics – Electronics Department floated a Google form listing a set of questions which helped the faculty understand the status of the student before providing guidance and help. Thus, almost all departments of the College mentored their students and helped them keep pace with the College.

The College Management also gave fee concessions to students. Sufficient guidance was given to students as they transited from offline to online; from MCQs and oral to descriptive and written examinations. Additional choice was provided in the exam modules so as to ensure a smooth transition to the regular system.

Thus, through the mentoring process students were provided ample social, emotional and financial support for their academic progress.



RESEARCH ACCOMPLISHMENT

The impact of research in an educational institution has wide ramifications. The role that researches plays in furthering the students' involvement in their respective areas of study can have far-reaching effects. They not only gain insight into the current trends in various subject fields; they are also propelled into accessing a knowledge bank of recent advancements. If faculty are actively involved in research, not only do they stay abreast with their subjects, they also bring information directly from the field into the classroom, ensuring relevance to the subject matter. By being involved in research, the faculty themselves are intellectually challenged to deliver their best to young minds, making them better teachers.

Research at St Xavier's College has reached a new height. Three decades of research culture is today intertwined in the curriculum as small modules, dissertation projects, and as undergraduate and postgraduate research programmes for selected students. These initiatives have broadened the horizon of ideas, thoughts, planning and experimentation – 'An environment to think out of the box to create a better world.'

The Research Committee is responsible for the various research activities- approving projects, giving seed money, developing infrastructure, and allocating budgetary outlays.

Research award ceremony is organized and the young researchers are given medals with certificates and cash money as token of appreciation for showing interest in research. This year 74 students were awarded medals and certificates. [Annexure 3](#)

The College shows its appreciation for excellence in Research by conferring the Annual Researcher of the Year Awards to Faculty for their commitment and contribution to research. In keeping with this tradition, The Researcher of the Year Awards for 2021-22 were awarded to Dr. Suhani Parekh from the Department of Botany and Dr. Avni Ruchir Divatia from the Department of Biochemistry-Biotechnology.

RESEARCH PROJECTS AWARDED

Dr. Rajesh Iyer of the Physics-Electronics department has been awarded a collaborative Research Project SHRESTI by ISRO entitled "Time-series analysis of thermal infrared observations from Indian geostationary satellites for generating climate quality data". The total grant sanctioned for the year 2021-2022 is 16.90 lakh.



Dr. Sanjeev Gupta of the Physic-Electronics department has been awarded a Supercomputing Research Project by YUVA-PARAM system, National PARAM Supercomputing Facility (NPSF), Centre for Development of Advanced Computing (C-DAC), Pune, entitled "Quantum Transport-PR. The total grant sanctioned for the year 2021-2022 is Rs 2.237698 Cr.

DOCTORAL DEGREE

With the eyes firmly set on the mission of the College to provide holistic education opportunities to enhance the employability of the students and their entrepreneur capacities we need professors who are competent and skilful. This year we are proud to have Dr. Atman Shah from the Economics department, Dr. Tatpar Joshipura of the Psychology Department and Dr Dhawal J Bhatt and Dr. Kinjal Shah of the Mathematics department who have completed their doctoral studies and secured the PhD degree. We congratulate them and look forward to their contribution to the mission of education. [Annexure 4](#)

Rupali Chudasama of the Computer Science Department has registered for PhD.

The Research Scholar of Dr. U.M.Prajapati has been awarded the PhD degree.

Dr.Sanjeev Gupta, Dr. Arefa Mansuri and Dr. U. M Prajapati continue to be research guides.

BOOKS / CHAPTERS AND PAPER PUBLICATIONS

Professors, apart from teaching and guiding the students of the College, also involve themselves in other activities such as publishing features and articles and in contributing book chapters as well as research papers in various journals to enhance their academic career for the progress of the College.

The professors who have published book/chapters in books are Dr. Kinjal Bhatt, Dr. Avni Divatia, Prof. Nidhip Shah, Prof. Rajmohan Nair, Dr. NC Raghvi Chakravarthy, Dr. Manali Brahmabhatt, Dr. Rajavi Oza, Dr. Rashmi Yadav, Dr. Udayan Prajapati and Dr. Kishan Vyas. Congratulations to all of them and to some of our students have also published books or chapters in books. [Annexure 6](#)

We specially congratulate Dr. Avni Divatia, Dr. Kinjal Bhatt, Dr. Atul Makwana, Prof. Kinjal Mistry, Dr. Mitali Konnur, Dr. Arefa Mansuri, Dr. Nithya Nadar, Prof. Khushboo Shah, Dr. Ishwar Mehra, Dr. Rajavi Oza, Dr. Rajesh Iyer, Dr. Sanjeev Gupta, Dr. Udayan Prajapati and Prof. Kishan Vyas who have published papers in UGC listed journals and peer reviewed journals. A few of our students have also published papers and articles in listed journals. [Annexure 7](#)



NPTEL / SWAYAM COURSES

Teachers upgrade themselves by enrolling for the Swayam and NPTEL courses. Students also join for the same. The details are as follows:

Dr. Aruna Pandya of the Statistics Department successfully completed a 12-week NPTEL course on Business Statistics.

Mr. Dhwanir Shah of Department of Computer Science successfully completed an 8-week course on Introduction to Machine Learning through the NPTEL programme.

Special mention must be made of Jaydeep Shrimali, a student of Biochemistry- Biotechnology who completed an 8-week course on Tissue Engineering, a 12-week course on Genetic Engineering and a 12-week course on Industrial Biotechnology from SWAYAM/NPTEL Courses

STAFF SPECIAL ACHIEVEMENTS

Like every academic year, this year too is witness to an amazing array of achievements by our staff in various fields. Professor Nidhip Shah from the Commerce department emerged as the Silver Medalist in Dance, representing India at the International Groove Fest 2021 in Dance. He also won the Best Choreographer award at the National Level Inter-Collegiate Dance Competition.

Professor Rajmohan Nair achieved a Professional Certificate in Financial Accounting Concepts, which is an international certificate from the Metropolitan School of Business and Management, United Kingdom. He also received International Certification on completion of a course on 'Exercising Leadership: Foundation Principles' from Harvard University. He also holds the National Certification on 'Premiership of Business Management' from the Indian Council for Technical Research and Development.

Dr. Rajavi Ojha from the Sanskrit Department received a Sanmanpatra, trophy and cash award as the First prize Book award at the State Level.

Fr. Dr. Lancelot D'Cruz, Head of the Botany Department has received the Patent for 'Ice Cream from Madhuca Indica for method of preparation' which is a National Level achievement under the Intellectual Property Regime.

Dr. Suhani Parekh of the Botany Department has won the Third prize in the Faculty category for her presentation on the topic of 'Innovative teaching methods in Botany' at a National level conference.



Dr. U.M. Prajapati of Mathematics department has won the Dr. N.R. Ladhawala Outstanding Teacher Award for UG Teachers of Science Colleges which are more than 35 years old. This is a State level Award.

ACTIVITIES ORGANISED BY DEPARTMENTS

BC-BT department organised a Faculty Development Programme for the staff of BC-BT to develop skills set for effective teaching. The 3-day training program, based on which the Department is developing an SAP focused on improving teaching-learning and life skills, adapting curriculum to meet global needs, inculcating search aptitude and caring, facilitating student progression and support, building global competence etc. The BC-BT Department also organized the B-Helix Colloquium with discussions and talks on topics like- role of Placental mechanistic target of Rapamycin Signalling in regulating fetal growth, Microscopy and Spectroscopy: Indispensable tools in Biological Research, Integrative management of Alzheimer's Disease, Health: the earth and us, NIH Imagej: An open source, versatile, customizable scientific imaging software for the biological sciences etc. A National level seminar on Present Day Biology: Impact of Research at Molecular and cellular level was organised by the BC-BT department. This department also conducted a Workshop on Tools for effective teaching skills in the month of March.

The BDA Department did a Webinar on 'Fundamentals of Digital Analytics' by Mr. Nidhal Firoze who is a Digital analytics consultant at InfoTrust; incidentally he has been recognized by the Analytics India Magazine as one of the top 5 Data Science mentors. A Webinar on 'Data Mining and its Concepts' was conducted by Mr. Harshal Sanghvi, a research scholar and teaching assistant at Florida Atlantic University, Boca Raton, USA. A TCS Expert Session on 'Machine Learning and its real-life real case in the field of fraud & money laundering detection' was also organized by the BDA Department. The resource person, Dr. Manoj Apte is a senior scientist at TCS in the area of Machine Learning. This expert session was open to other colleges offering an MSc. Programme in Big Data Analytics.

The Chemistry department organized an expert lecture on the topic 'Challenges and perspectives: Innovative ideas' by Purvish Patel and Dr. Sanket Borad. The Department also organized a second expert lecture "Journey by spectacles of business coach" by Deepak Makwana, a business coach and by Purvish Patel aimed at improving business entrepreneurship skills in the students. The Chemistry Department also held an Alumni meet in the campus this year. In this event nearly 113 alumni students have registered to participate and more than 50 alumni students have participated in the event. The Department also conducted two online webinars in collaboration with H n H solution where 2 teachers and 55 students attended.



A very fruitful Panel discussion was held by the Commerce department on the Union Budget 2022. The Commerce department also organized a two-day Workshop on 'Fundamentals of the Stock Market' conducted by Mr. Jatin Bhatia in association with Moneywise.

The Economics Department has organised various seminars like an 'Introduction to Entrepreneurship' - a two-day seminar by Dr. Umesh Menon. The same resource person conducted another 2-day seminar on the topic 'Reading Financial Statements'. A talk on E-marketing was organised by the Economics Department in collaboration with IIDE Mumbai. A guest talk on 'MBA: A leaders Path' by Abhishek Singh of IMS was held by the Department. The Department also organized a series of talks on SPSS by Hira Rathode, Vishwanath Pingali and Dhruv Gupta delivered guest lectures as part of the Department's Eco fest.

An online Lecture Series (involving international participants) was conducted by the Psychology Department. Resource persons included Ms Chhavi Damani, Mrs Ami Mehra Braganza, Dr Mauli Mahajan and Dr Griva Shah. The Department also held events like Poetry recitation, Poster exhibition and Psychodrama as a part of World Health Day Celebration 2022. The resource person was Dr. Dharmesh Patel.

A webinar on 'Data Analysis and Manipulation in Research: Use of Python and other tools' was conducted by the Computer Science Department of the College. It was facilitated by Dr. H.B.Bhadha, Dean, Faculty of Computer Science, C U Shah University, Wadhawan. Another webinar on 'Current Innovative Trends in New Normal' and a webinar on 'Artificial Intelligence and Machine Learning' were also conducted by the Computer Science Department. The Department of Computer Science has started a Coder's Club as an extension activity of the Department wherein there is collaboration with industry experts who guide students for Coding.

The Physics-Electronics Department held a Teacher Internship Programme in collaboration with Zydus School of Excellence wherein 2 teachers and 6 students were involved. The Sanskrit department conducted 'Sanskrit Sahitya Sadhavana' on 23rd August 2021. A National Webinar on 'Landscaping and Horticulture' by the Botany Department on 9th February 2022. The webinar was jointly organized by St. Xavier's College Ranchi and St. Xavier's College, Ahmedabad. The resource person was Ms, Ayushi Maheshwari, an alumna and currently owner of Amaltas Landscape, Ahmedabad),

A talk on the 'Scope and opportunities in the field of Statistics' was organized by the Statistics Department on 23rd August 2021. The resource person Mr. Simit Sheth is currently the Head of Data Science, USAA Bank. The Statistics Department also conducted a Seminar on SAS Software on 10th July 2021. It was conducted by Dr. Venkat Rao who was accompanied by Dr. Ganshyam Patel, an alumna of the 1995 batch of St. Xavier's College. The Statistics Department also organized a Webinar on 'Opportunities after Graduation' on 12th February



2022 by Dr. M. N. Patel, a retired Head of the Department of Statistics at Gujarat University and Mr. Manoj Patel who is a motivational speaker with 16 years of experience as a statistician and programmer.

A Webinar series was conducted by the Mathematic department from 28th Dec 2021 to 1st Jan 2022 titled "Problem Solving and Enrichment in Mathematics". The resource persons included M. H. Vasavada, Mr. Kaushik V. Thaker, Mr. Jigneshkumar B. Shingod, Mr. Dhruv Bhasin, Mr. Anit J. Vantiya, Dr. Udayan M. Prajapati, Dr. Prashant G. Patel, Dr. Dhawal J. Bhatt and Dr. Savan K. Patel.

The "Madhava Nurture Camp-2021", a National level program was organized by the Mathematics Department. Sessions were conducted by experts like Dr. V. M. Sholapurkar, Dr. Indranath Sengupta, Prof Amitava Bhattacharya, Prof. Rajendra Pawale, Dr. Vinaykumar Vishwanath Acharya, Prof. Sanjaykumar K. Patel, Dr. Sanjay Amrutiya, Dr. Aditi Phadke, Pavan Hasmukhbhai Adroja, Mr. Mandar Khasnis, Nanshaeb Phatangare, Ms. Kusum Rajbhar Dr. Udayan M. Prajapati, Dr. Prashant G. Patel, Dr. Dhawal J. Bhatt and Dr. Savan K. Patel. A guest lecture on 'Mathematica Musings on Ramanujan's Pi' by Shivam Patel, a Masters student at Carnegie Mellon University, USA was organized on 22nd December, 2021. A special lecture on 'Mathematical Models in Applied Sciences' by Dr. Sandip Banerjee, faculty in the Department of Mathematics, IIT Roorkee was held on 1st April 2022.

EXTRA CURRICULAR / CO-CURRICULAR ACHIEVEMENTS

Art is a powerful medicine which can bring healing and zest to life. Every year the Extra-curricular committee organizes the Cultural fest where students come together and showcase their talent. Students of all departments join hands with each other and generate performances which are rich in creativity and intensity.

This year the College also did not cancel the Culfest but held it online. The Culfest, named 'Udbhav', with the tag line 'Resolve to Evolve' was held in the last week of January 2022. There were 12 events. Students had to upload their videos on the Moodle LMS course page 'Udbhav'. About 200 students participated in Culfest. The results were declared and displayed on Moodle. [Annexure 5](#)

Waghmare Vishal of TYBA English Literature won the third prize along with a cash prize of 1500 Rs and a certificate in the Elocution competition organized by Yuvak Vikas Trust.

Vishwa Jani of the Psychology Department got the first prize and Astha Jani stood third in the Painting competition at 'Conversing Gandhism- a national level intercollegiate competition of Art, Literary, music and movie making' organized by the TGLS Gandhian Society.



Ten students participated in the 'Konflux-22 Rejoice Event, a National event organized by the IBS ICFAI Business school, Mumbai. Two of them reached the second round. Shaikh Sofiya secured the first runner-up position in the event Art IN Mind Competition.

Swaminathan T was awarded the runner's up prize in 'Business simulation' and was the winner in Case competition at the Annual International Business Summit, Vista 2021, held at IIM, Bangalore. He also achieved the second runner's up award in the online competition on 'Imagination and creativity in Mathematics'. He was one of the finalists of the Socialis Impulsum 2.0 organized by 180 degrees consulting IIT Madras. Aditi Jain was awarded a certificate of publication in anthology Petrithor of Words.

SCHOLARSHIPS

Educational scholarships are of great help for highly committed students who want to gain the best education available even as they struggle with financial handicaps. They play a key role in helping such students achieve their academic and career goals by removing the financial barriers, thus leaving the students free to devote their energies to study and eventually helps them secure better grades. With this in mind, the College has helped 349 students to access Government scholarships while 59 students were helped with Institutional scholarships. [Annexure 13](#)

CAPACITY DEVELOPMENT AND SKILL ENHANCEMENT ACTIVITIES

Today's professional world demands certain fundamental traits in their employees. These include personality traits, specific behavior patterns, soft skills, language and communication skills, life skills and social attitudes in order to communicate, collaborate and deal with challenges effectively. There is an urgent need to bridge the gap between industry requirements and the existent skill set of the students. For this purpose, St Xavier's College encourages its departments to organize Capacity building and enhancement initiatives in various areas. 41 such Capacity building programs have been organized by the departments. [Annexure 14](#)

To help students choose a field that is in sync with their skills and their job expectations, the College has conducted Career counselling programmes. These programs also prepare the students for Competitive examinations. The College has organized 13 programs throughout the year. 98 students from various departments have cleared Competitive exams such as NET/SLET, IIT JAM, GATE, GRE, IELTS, etc. [Annexure 15](#).



A total of 27 students were placed through the College Placement cell and 247 students are recorded for progression to higher education in the academic year 2021-2022

EXAMINATION REPORT

The odd semester was mostly conducted in a blended mode with teaching being mostly online and the practical as well as doubt solving sessions being conducted in the offline mode at regular intervals. The internal examinations were module-based and conducted by individual departments as per convenience. For the external examination, the college adopted two different patterns:

(I) Assignment + Viva voce

(II) Multiple choice examination conducted on Moodle

(III) Practical Examination

The practical examinations were conducted independently by the departments conducted multiple choice examinations, assignment-viva examinations as well as seminars instead of the usual practical exams

In January 2022, the College had started functioning almost in the offline mode. With Hostels and PG accommodations opening, a unanimous decision based on the guidelines of the parent university and the UGC, the even semester exams were conducted in the offline mode for the final year and second semester students.

It was a huge challenge to switch from the online mode to the offline mode. To facilitate the transition the internal exams (CIA-2) was conducted offline. Based on the performance of the students, it was decided to decrease the time of the examination from 3 hours to 2.5 hours. The question paper pattern was changed and more choices to facilitate the students were provided as per the new pattern.

For the practical examinations, the students were allowed to perform all laboratory sessions physically in small batches and then internal practical examinations were conducted. Extra practice sessions to cope up with lack of practical skills were provided to students of the final semester.

The External practical examinations were conducted independently by the Departments but in accordance with the rules set up by the COE office. The practical examination rules were provided to the students at the beginning of the academic year in the prospectus.

A Passing Board is constituted once the results are ready and appropriate decision for grading is taken. The results are accessible to the students through their ERP Login.



Program Name	Percentage of students passing
BA	89%
BSC	82%
BSC-BIOTECHNOLOGY	98%
BCA	88%
B.COM (BPS)	84%
MA (ENGLISH)	100%
MA (PSYCHOLOGY)	100%
MSC (ORG. CHEM)	94%
MSC (ANAL. CHEM)	91%
MSC (BDA)	97%
MSC (BIOCHEMISTRY)	100%
MSC (BIOTECHNOLOGY)	97%
MSC (MATHEMATICS)	61%
MSC (PHYSICS)	78%

CAMPUS MINISTRY

Following are the activities arranged by Campus Ministry in spite of the covid situation:

Campus Ministry managed to have a get-together of UTCARSH students on 8th Sep 2021 on Google Meet wherein introduction of the new comers and welcoming them to UTCARSH was done.

The Christian student's cell, SEVA SUHAS, had a program on the feast of St. Francis Xavier's on 3rd Dec 2021. They organized few competitions with regard to the life of St. Francis Xavier's.

Under Campus Ministry, Christmas celebration for staff and support staff took place on 23rd Dec 2021.

SEVA SUHAS organized 'a Crib competition' and 'Carol competition' under Campus Ministry of the College.



PRERNA group also had a special Christmas program. Some students' volunteers of Utcarsh helped in conducting the program.

On 3rd June 2021, a prayer service was held for the departed souls of five professors and 3 students who were victims of Covid 19. Dr. Profina animated the prayer service. It was attended by the staff members and students. Many family members too participated in the same.

27th March was another important day. On this day, the 15th Utcarsh Day was celebrated. Due to the pandemic only, limited students were invited. 40 differently-abled students attended this program. The Principal was happy to welcome the differently-abled students of other institutions and encourage them to be a support to one another. He highlighted in his speech that education taken seriously will lead them ahead in life.

NSS

The NSS unit organized the following events during the Academic year

World Environment Day was celebrated in which Volunteers were asked to plant trees in their locality and take care of them. Several students actively participated in it. Along with that the importance of trees and plants were discussed.

On the occasion of the 7th International Yoga Day, the NSS unit of St. Xavier's College (Autonomous) Ahmedabad, arranged a Yoga session virtually. Yoga instructor Ms Talsania Dipali was invited to conduct this Yoga session through Google meet.

As a part of 'Each One Reach One Mission' of Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Government of India, NSS Volunteers of St. Xavier's College organized various activities.

- 1. During the Covid pandemic our volunteers started a helpline providing information of availability of beds, medicines, injections, oxygen cylinders, etc*
- 2. Our volunteers had prepared a short movie- Govind Vs Covid.*
- 3. Distributed clothes, food and helped people to register and take vaccination.*
- 4. Our NSS volunteers, had started an initiative of creating a website and through blog writing had reached more than 200 people providing emotional support*

The NSS unit of St. Xavier's College Autonomous Ahmedabad in collaboration with Sakshi NGO (through Youth and Sports Cabinet Ministry of India, Govt of India) had arranged a virtual Zoom webinar on POCSO Act 2012 and gender equality. The program speaker Dr. Ramya Nisal had given insight into POCSO Act 2012 and briefed the volunteers regarding gender equality.



With great enthusiasm and hearts full of patriotism our volunteers organized the 75th Independence Day. The Flag was hoisted by Chief Guest Ms. Remi Clement along with Fr (Dr) Lancelot D'Cruz and a Pledge was taken under the guidance of Bhavya Patel (NSS Ambassador). A Group Dance was also performed on a Patriotic Song. A group song also added flavour to the event.

The NSS unit of St. Xavier's College Autonomous Ahmedabad celebrated International Day for the Preservation of the Ozone Layer/World Ozone Day on 16 September 2021. 18 volunteers have participated in this virtual event in which three Volunteers have shown their presentation on 'Cause and cure of Ozone depletion'. All the volunteers have taken a pledge to protect Ozone depletion by planting trees, avoiding use of any pollutant and by not using vehicle once a week.

Organ Donation is a noble act and very helpful for the needy by giving new life and hope to live. An Organ Donation Awareness Program was organised at St. Xavier's College by the NSS Unit. During this event volunteers were made aware of the importance of organ donation by Dr. Devang Pandya (NSS Program Officer) and Arjun Bhatt (Volunteer). Volunteers took a Pledge for donating their organs.

The NSS Cell of St. Xavier's College, Ahmedabad had organised a one-day Vaccination Camp at Lakhodi, Anganwadi Ahmedabad. Many Volunteers encouraged people through a rally and through slogans to make the locals aware of the importance of the vaccine to fight against covid. At the end of the event, we got 172 people vaccinated that day; this was a record in that area.

St. Xavier's College, Ahmedabad NSS Cell arranged a 3-day Camp at Chandanpura, Thol, Ahmedabad to celebrate 75th AZADI KA AMRUT MAHOTSAV. There were 5 modules conducted during the Camp.

- 1. Environment & Cleanliness*
- 2. Orthodox Thinking & Malnutrition*
- 3. Fit India*
- 4. Organic Farming*
- 5. Covid Vaccination*

Volunteers conducted the modules through activities such as street plays, surveys, playing games with children, yoga and exercises, farm visits, etc. Mr. Rakeshbhai Patel (Sarpanch of Chandanpura) awarded us a Certificate of appreciation.

Rangoli is an ancient art and timeless tradition that is practised all over the India. The word 'rangoli' has been said to be derived from words 'Rang' and 'Aavalli' which refers to a row of colours. The NSS Unit of St. Xavier's College had organised a Rangoli Competition for Xavierites. Students participated in which certificates were given to the winners and participation certificates were given to the participants



A Quiz was organized on the 71st Constitution Day on 26th of November. The Constitution Day, also known as "National Law Day" is celebrated in India every year to commemorate the adoption of the Constitution of India. A Quiz was prepared for all students to gain knowledge about our Constitution. The main objective of this event was to create awareness about the Constitution of India and develop knowledge about personalities associated with its making.

An Essay Writing Competition was held online between 27/12/2021 to 31/12/2021 on the occasion of 'Good Governance Week'. The topic of the competition was 'Good Governance'. Students enthusiastically took part in it and certificates were awarded to the winners.

It is Xavier's tradition that NSS and NCC take responsibility of the celebration of National days. On the Republic Day, the National flag was hoisted by Wg. Cdr. Dinesh Vaswani. Around 60 volunteers were present and a cultural program was held in which patriotic songs were sung and a Dance performance was organized.

NSS Volunteers observed after Uttarayan, many birds are injured and trapped on the trees on the campus. The NSS volunteers rescued many such birds who got injured and gave them proper medical treatment under the guidance of a medical professional.

The NSS Volunteers, in an attempt to sensitize the public about environmental conservation, celebrated Earth Day under the event name of "Vasundhara." An awareness video was created in which there were conversations with young people which led to the exchange of beautiful ideas about the methods in which small daily actions can yield long term results. A Tree Walk was organized in the College premises, where the students learnt about various plant species, existing in the lush green campus, their ecological significance and ways through which they can be preserved.

COLLEGIATE WOMEN'S DEVELOPMENT CELL (CWDC)

A Poster Making Competition was organised on the occasion of the International Women's Day. The theme of this year's competition was 'Empowering Women and Girl Child'. Due to Covid this competition was held online via Google form. Participants enthusiastically took part in this competition and sent their poster.



Other Extension Activities

Campus Ministry, NSS and CWDC organised some activities together in collaboration and learned from each other various skills of organizing events. They are:

A visit to Rahelba Old age home in Gandhinagar was a memorable and meaningful experience for the students. It opened their eyes to the realities of society today.

Another event was a visit to a home for the mentally challenged students, Madhuriya Bhavan, Bapunagar, Ahmedabad. Campus Ministry, NSS volunteers and CWDC students, conducted various activities and interacted with the children and motivated them to a better meaningful life.

In the 3rd week of March, a group of 40 children from Behrampura slum, visited the College. The Campus Ministry, the NSS and CWDC volunteers attended to them, interacted with them, taught them games and songs keeping in mind the theme of cleanliness and value of education. They shared a meal and each student was gifted with a school bag and books.



ANNEXURES

Annexure-1 : New Programmes and Courses

Course Code	Course Name
CO-1501	Financial Accounting - I
CO-1502	Fundamental Statistics - I
CO-1503	Business Economics – I
CO-1504L	Computer Application for Business
CO-1505	Advance Business Management
FC-1035	Business Communications - I
EG-1655	Global Trends in Corporate Sustainability Reporting- I
CO-2501	Financial Accounting II
CO-2502	Fundamental Statistics II
CO-2503	Business Economics - II
CO-2504	Business Law [CO-2504]
CO-2505	Organisational Behaviour
EG-2302	Global Trends in Corporate Sustainability Reporting- II
FC-2032	Business Communications - II
MT-1551	Matrix Algebra and Co-ordinate Geometry
MT-1552L	Matrix Algebra and Co-ordinate Geometry (Practical)
CS-1501	Introduction to Programming and Algorithm using C
CS-1502	Digital Computing
EG-1314	Logic



Course Code	Course Name
MT-2551	Calculus and Differential Equations
MT-2552L	Calculus and Differential Equations (Practical)
CS-2501	Web Designing
CS-2502	Computer Organization and Microprocessors

Annexure-2 : Innovative Teaching Learning Methods

Various methods of teaching- learning were innovated and implemented by different departments of the College which are as follows

The Biochemistry-Biotechnology department involved students in various discussions which help them to learn and implement new simple best practices in daily life. Projects in the form of making short films, working models at low costs, Litre on Light, Hydroponics etc were included in teaching to give practical knowledge to the students. Animated videos, writing a poem, using cartooning, rangoli making, script writing, Modules etc are some of the different techniques which have indeed helped students to unleash their creativity and think out of the box as hand on experiments were not possible due to online teaching. In Xitu continues to be an experiential learning module for Vocational Biotechnology students to understand entrepreneurship, · Mini Projects of Biostatistics and Entrepreneurship are opportunities for students to apply the theory learnt in the classroom.

In the Physics-Electronics department the instructors, some with no previous experience of teaching online or at a distance, discovered new approaches to teaching and learning and imaginative work was undertaken to overcome the very real challenges. One of the innovations was to simulate the Laboratory Experiments in computer using software's like Multisim. It gave students better understanding about the experiments and also it was used for the purpose of evaluation. The students gave positive feedback about this program and were benefitted from this.

The Chemistry department used Moodle effectively and uploaded You tube videos and Ppts, arranged Google Meet lectures, doubt solving sessions, MCQ quiz exams, assignments on selected topics by the students. Viva voce were also taken based on the presentation done by students to check their knowledge and skills. DEXIT, an industrial training unit for Chemistry has started training its students in purchasing, manufacturing, promoting and selling related to products like soup solutions, candle, cream sanitizers etc which contributes immensely in making the students enterprising and self-sustaining.



The Botany department has used Moodle and the online mode. The lectures recorded by the professors were also made available for reference on You tube. Teaching-learning of topics was encouraged through Power Point presentations, group discussions, quizzes, assignments, modules etc. which were used as interactive learning tools. Students were encouraged to attend Webinars/Workshops/Seminars, etc. online and marks were awarded for the same. Materials were send to students on demonstration of practical in the Laboratory by Professors. Projects were given so as to encourage the students to explore their interest areas through in-house activities or through exploring forest areas. Information was gathered and projects were evaluated. Students also prepared real-time videos of seed germination etc.

The Statistics department adopted JAM, JEE and GSET related applied questions in in the internal and external exams of the College to make students think and to enhance their knowledge about the subject. Professors equipped themselves with latest technological devices and taught the mathematical calculative part of statistics which gave more clarity on the subject. A hybrid teaching method was adopted for better understanding and connectivity of the students.

The Psychology department, continues with open book exams for developing the skill of Critical analysis, application of concepts and analytical reasoning among the students. Video based assessment was also performed to enhance Observation skills, real-life applications, rationalism, empiricism. Poster and power point method of teaching adopted helped Communication skills, employability enhancement, scientific temper, reality awareness, self-confidence among the students. Surveys, Interviews and Case-study analyses method of teaching adopted by the department inculcated awareness regarding scientific tools, real-life social issues, communication skills, self-confidence in the students.

The English department did something unique by engaging students in conducting a project in groups wherein they went through a rigorous process of lesson planning with teacher feedback after which they went to government and private schools and engaged lessons using task-based learning methods of English. Students were divided into groups and they reached out to schools in Ahmedabad, Rajkot and South Gujarat.

The Gujarati- Hindi department helped their students with online videos though they hail from interior backward villages, and tribal forest areas. Text book material and various applications and website links were made available to students so that they can use it offline also when the network connectivity issue arises.



Annexure-3 : UG / PG Research Award Ceremony 2021-22

Student Name	Department Name	Title of project	Supervisor Name
Snehal Gamit	Botany	Ethnomedicinal Knowledge of Plants used by the Gamit Tribals in South Gujarat, India	Fr. (Dr.) Lancelot D'Cruz
Tushar Chaudhari	Botany	Ethnomedicinal Plants of the Chaudhari Tribe of South Gujarat	Fr. (Dr.) Lancelot D'Cruz
Livingston Kokni	Botany	Ethnomedicinal Plants used by Kokni Tribals in South Gujarat	Fr. (Dr.) Lancelot D'Cruz
Hiren Gamit	Botany	Study of Some Ethnomedicinal plants used by the Gamit tribals in Tapi, Gujarat	Fr. (Dr.) Lancelot D'Cruz
Nikunj Chaudhari	Botany	Edible plants traditionally used by the Chaudhari tribals of the Ghodbar region of South Gujarat	Fr. (Dr.) Lancelot D'Cruz
Stephen Macwan	Botany	Documentation and Data Analysis of Herbarium Sheets in the Department of Botany, St. Xavier's College (Autonomous), Ahmedabad	Dr. Rashmi S. Yadav
Savan Panchal	Physics-Electronics	Assessment of black carbon concentration and delta cover ahmedabad.	Dr. Rajesh Iyer
Student Name	Department Name	Title of project	Supervisor Name
Disha Kardani	Physics-Electronics	Density Functional theory studies of transition metal Ti ₂ N and Ti ₃ N ₂ Mxene monolayer	Dr. Sanjeev K. Gupta



Yashasvi Naik	Physics-Electronics	Density Functional theory studies of transition metal Ti ₂ N and Ti ₃ N ₂ Mxene monolayer	
Harshita Gehlot	Physics-Electronics	Study of Atmospheric Clouds over Ahmedabad	Prof. Som Kumar Sharma
Komal Daxini	Physics-Electronics	Design Selection of X-rays Filters for Optimization of output X-rays Flux Spectrum and Reduction of dose	Dr.Sanjeev Kumar Varshney
Harshad Asoriya	Physics-Electronics	DFT study of Antimonene supported Ag ₃ M (M=Cu, Pd and Pt) cluster as a catalyst for production of methanol from CO ₂ and H ₂ O.	Dr. Sanjeev K. Gupta
Kelvy P. Dalsania	Physics-Electronics	Performance evolution of F-layer peak height models in IRI-2016 over the Indian equatorial and low latitudes.	Dr. K. Venkatesh
Devanshi Shukla	Physics-Electronics	High latitude mesospheric Temperature during Sudden Stratospheric Warming	Dr.Ravindra Pratap Singh
Margi Joshi	Physics-Electronics	Long term behaviour of dwarf novae U gem, SS Aur, RU per, AH her, KT per Variable stars (2010-2022)	Dr.Ashok M. Nagarhalli
Student Name	Department Name	Title of project	Supervisor Name
Janki Parmar	Physics-Electronics	Study of Anomalous behaviour of dwarf Novae SS Cygni in 10 years(2012-2022)	Dr.Ashok M. Nagarhalli



Shamit Sharma	Physics-Electronics	Study of Multilayer Mirrors in Soft X-rays Region Ranging from 200eV to 1.2 keV for High-Temperature	Dr. Sanjeev Kumar Varshney
Milan Joshi	Physics-Electronics	Trends in emission of Greenhouse gases	Dr. Rajesh Iyer
Aliya M. Kureshi	Physics-Electronics	Air Quality Prediction using machine learning techniques	Dr. Rajesh Iyer
Bukhari Ruwaydahzehra	Physics-Electronics	Time Series Analysis of Air Quality	Dr. Rajesh Iyer
Keval Jignesh Joshi	Physics-Electronics	The study of Urban Heat Island over Ahmedabad	Dr. Rajesh Iyer
Jahnvi Mistry	Physics-Electronics	Spatio-Temporal Analysis of Ozone Over Ahmedabad City	Dr. Rajesh Iyer
Bhargav Prajapati	Physics-Electronics	Understanding the Relation Between Pollutants and Meteorological Parameters	Dr. Rajesh Iyer
Shubham Jayswal	Physics-Electronics	Estimation of Aerosol Radiative Forcing at Different Sites locations over Ahmedabad City	Dr. Rajesh Iyer
Hemal Patel	Physics-Electronics	Design Optimization of X-rays spectrometer for high temperature plasma using ray-tracing tools	Dr. Rajesh Iyer
Student Name	Department Name	Title of project	Supervisor Name
Juhi Trivedi	Physics-Electronics	Study of atmospheric clouds over Ahmedabad	Dr. Rajesh Iyer
Manushi Ahuja	Physics-Electronics	Thickness optimization of Halide-based perovskite solar cells by numerical	Dr. Sanjeev K. Gupta



		simulation method to determine the best optimized cell	
Zeel Thaker	Physics-Electronics	Equilibrium of von willebrand D'D3 structure	Dr. Sanjeev K. Gupta
Sruthi Pillai	Physics-Electronics	Equilibrium of von willebrand D'D3 structure	
Sejal Bichave	Physics-Electronics	Analysis Of Various Material For An Effective Perovskite Solar Cell By Numerical Simulation	Dr. Sanjeev K. Gupta
Ashishkumar Patel	Physics-Electronics	Analysis of various HTL materials for efficient solar cell by numerical simulation	Dr. Sanjeev K. Gupta
Kavya Gopal	Physics-Electronics	Density of states in 1D,2D,3D material	Dr. Sanjeev K. Gupta
Zeel Sanghavi	Physics-Electronics	Density of states in 1D,2D,3D material	
Sakshi Trivedi	Physics-Electronics	Understanding the runaway electron confinement in Tokamak	Dr. Sanjeev K. Gupta
Dhananjay Mehta	Physics-Electronics	Developing a Ray Tracing Code for Optical Alignment	Dr. Sanjeev K. Gupta
Chandani Paresh Pabari	Physics-Electronics	Variation of Ar-40 in Lunar Exosphere	Dr. Sanjeev K. Gupta
Dhruvi Manan Patel	Physics-Electronics	Study of Emittance for Ion Beam Sources	Dr. Sanjeev K. Gupta
Student Name	Department Name	Title of project	Supervisor Name
Mustufa H. Dosani	Physics-Electronics	Understanding of Glow Discharge Plasma	Dr. Sanjeev K. Gupta



Ami Nimeshkumar Tank	Physics-Electronics	Experimental and Simulation studies of X-ray Spectrum	Dr. Sanjeev Varshney
Varsha Sharma	Physics-Electronics	Modelling of experimental H α line intensity in the edge region of ADITYA-U tokamak	Dr. Sanjeev K. Gupta
Rozar Rajesh Christian	Physics-Electronics	Plasma density estimation using stark width of H-alpha line	Dr. Sanjeev K. Gupta
Kerman Zaveri	Physics-Electronics	Studies of ion beam profiles and beam divergence using matlab programming	Dr. Sanjeev K. Gupta
Yash Chauhan	Physics-Electronics	Understanding the variation of Single Scattering Albedo over Ahmedabad	Dr. Rajesh Iyer
Triya Belani	Physics-Electronics	Air Quality Over Ahmedabad: Observations and Modelling	Dr. Rajesh Iyer
Virang Lad	Physics-Electronics	Reflectance Spectroscopy of Planetary Analogues under simulated conditions	Dr. Rajesh Iyer
Astu Rohra	Statistics	Increasing the marriage age of girls from 18 to 21: Effects on health and nutrition, maternal mortality, economy and education	Dr. Shraddha Bhatt
Student Name	Department Name	Title of project	Supervisor Name



Harsh Randhawa	Statistics	Increasing the marriage age of girls from 18 to 21: Effects on health and nutrition, maternal mortality, economy and education	Dr. Shraddha Bhatt
Vijay Anand Singh	Statistics	Increasing the marriage age of girls from 18 to 21: Effects on health and nutrition, maternal mortality, economy and education	Dr. Shraddha Bhatt
Sreelakshmi Shibu	Statistics	Effects of excessive screen time during covid-19 pandemic	Dr. Sweta Patel
Kajal Rajpurohit	Statistics	Effects of excessive screen time during covid-19 pandemic	Dr. Sweta Patel
Sunidhi Singh	Statistics	Effects of excessive screen time during covid-19 pandemic	Dr. Sweta Patel
Mayur Mishra	Statistics	Predictive analysis of bitcoin investment	Dr. Kirtan Parmar
Nency Amrutiya	Statistics	Predictive analysis of bitcoin investment	Dr. Kirtan Parmar
Noopur Shah	Statistics	Predictive analysis of bitcoin investment	Dr. Kirtan Parmar
Aman Keshari	Statistics	Effect of covid-19 pandemic on mental health of university students	Dr. Aruna Pandya
Nisarg Shah	Statistics	Effect of covid-19 pandemic on mental health of university students	Dr. Aruna Pandya
Student Name	Department Name	Title of project	Supervisor Name



Dishang Mehta	Big Data Analytics	Application of computer vision using image processing	Dr.Pravida Raja
Mansi Shah	Big Data Analytics	Application of computer vision using image processing	
Mishal Mehta	Big Data Analytics	Comparative Analysis of Ethereum and Cardano Cryptocurrencies and Green Environment of Economics	Dr.Pravida Raja
Palash Sudarshan Shah	Chemistry	Green synthesis of graphene via aqueous exfoliation and application of graphene oxide for waste water treatment by taking crystal violet and metformin as model dye and drug	Dr. Divya Buha/ Dr. Angelmary Joseph
Keya Kuldeepsinh Chavada	Chemistry	A facile green synthesis of graphene and graphene oxide from graphite and removal of amido black 10B and paracetamol from waste water using graphene oxide	Dr. Divya Buha/ Dr. Angelmary Joseph
Omshikha Jadhav	Chemistry	A plant extract mediated synthesis of silver nanoparticles	Dr. Mallika Sanyal
Mitshu Desai	Chemistry	Green chemistry based benign route for silver nanoparticle synthesis	Dr. Mallika Sanyal
Ritik Budhani	Chemistry	Detection of amino acids using Thiozyl azo naphthol	Dr. Uma Harikrishnan
Student Name	Department Name	Title of project	Supervisor Name



Purohit Het Unmeshbhai	Chemistry	Synthesis and characteristics of metal chelate	Prof Deesha Khetani
Shaikh Sofiya	Computer Science	Statistics and trends on usage of social media	Dr. Dhara Bhatt
Jaison	Computer Science	Varidar	Dr. Dhara Bhatt
Kareena	Computer Science	Varidar	Dr. Dhara Bhatt
Ankush Panchal	Computer Science	Image Encryption Technology	Dr. Dhara Bhatt
Pankaj Choudhary	Computer Science	Image Encryption Technology	Dr. Dhara Bhatt
Manav Jadhav	Computer Science	Image Encryption Technology	Dr. Dhara Bhatt
Devanshi Vaghela	Biochemistry and Biotechnology	Drug Treatment for Covid-12: Review	Dr. Sebastian Vadkan
Japan P. Patel	Biochemistry and Biotechnology	Production of bioplastic (Polyhydroxyalkanoates): An alternative source of conventional plastic	Dr. Avni Divetia
Anoushka D'costa	Biochemistry and Biotechnology	Biodiesel – a present need for a healthy future: A comparative study of Jatropha curcas, Ricinus Communis and algae for feedstock selection	Dr. Fr. Suresh, SJ

Annexure-4 : Doctoral Degree

Staff Name	Date of Award	Title of Thesis
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Dr. Tatpar Joshipura	11-Jun-2021	A Comparative Study of Emotional Intelligence, Social Maturity and Frustration of Normal and Physically Disabled Secondary School Students
Dr. Atman Shah	11-Dec-2021	Regional Disparity and Convergence in Education and Health in India
Dr. Dhawal J. Bhatt	28-Oct-2021	On Approximation Properties of Some Linear Positive Operators Based on Beta Function
Dr. Kinjal Shah	30-Dec-2021	Discussion on some variants of prime and cordial labelling

Annexure-5 : Result of Culfest 2021-22 (UDBHAV Resolve to Evolve)

Indian Vocal Solo Singing

No.	Name	Roll No.	Rank
1.	Bhakti Mehta	19-PH-0332	1
2.	V.Bageshri	21-SN-0151	2
3.	Ayesha Khanam Mir	21-CH-1038	3

Indian Classical Dance

No.	Name	Roll No.	Rank
1.	Akshara Menon	19-BT-0520	1
2.	Krithi pillai	20-PS-0563	2
3.	Esha Dave	21-B0-0632	3

Western Solo Dance



No.	Name	Roll No.	Rank
1.	Amarthya Scaria	20-PS-597	1
2.	Kavish Shah	21-BPS-039	2
3.	Himani Singh	21-ZO-0715	3

Western Solo Singing

No.	Name	Roll No.	Rank
1.	Riet Clarice Desilva	19-PS-545	1
2.	Chrissie Christian	21-BPS-008	2
3.	Priyal Dixit	20-MT-0412	2
4.	Disha Joshi	19-BO-606	3

Mono Acting

No.	Name	Roll No.	Rank
1.	Nishma Soni	21-PS-0572	1
2.	Neti Vyas	20-EN-0354	2
3.	Heer Patel	19-ZO-0734	3



Elocution

No.	Name	Roll No.	Rank
1.	Eva Bavaria	21-EC-205	1
2.	Mandira Roy	21BC-0904	2
3.	Hardi Patel	21-PS-559	3

Extempore

No.	Name	Roll No.	Rank
1.	Hemiksha Gohil	21-BCA-106	1
2.	Vidhi Shah	19-PH-2306	2
3.	Manu Tomy	21-PCH-030	3

Percussion

No.	Name	Roll No.	Rank
1.	Meet Parikh	21-EN-579	1
2.	Maharshi Joshi	20-GU-064	2

Non Percussion

No.	Name	Roll No.	Rank
1.	V.Bageshri	21-SN-151	1
2.	Raina Tripathi	21-PS-541	2



Quiz

No.	Name	Roll No.	Rank
1.	Swaminathan Priyal Dixit Srushti Bhagchandani	20-MT-0401 20-MT-0412 20-MT-0403	1
2.	Surbhi Mishra Avinash Singh Anthony D	21-MT-0415 20-MT-0439 21-MT-0450	2
3.	Mandira Roy Kshiti Vyas Ishi Sharma	21-BC-0904 21-BC-0916	3
4.	Jayraj Rajgor Vijayraj Purohit	19-CH-0132 19-CH-101	3

Poetry Recitation

No.	Name	Roll No.	Rank
1.	Aarohi Vaidya (Self composed) (English)	21-EN-342	1
2.	Shreya Nair (English)	20-BT-050	2
3.	Sneha Priya (Hindi)	21-BCA-059	2
4.	Nilay Bhatt (English)	19-BT-046	3
5.	Smeet Mishra (Hindi)	21-CH-1018	3



Annexure-6 : Books / Chapters Published

Books / Chapters Published by Teachers

Staff Name	Name of the Book / Chapters in Books / Papers in Conference Proceedings	ISBN / ISSN Number	Name of the Publisher	Year of Publication
Dr. Kinjal Bhatt	Title of book: Biotechnology for Sustainable Environment Book Chapter: Metal Bioremediation, Mechanisms, Kinetics and Role of Marine Bacteria in the Bioremediation Technology	ISBN 978-981-16-1954-0 ISBN 978-981-16-1955-7 (eBook)	Springer	2021
Dr. Kinjal Bhatt and Dr. Avni Divatia	Title of book: Biotechnology for Sustainable Environment Book Chapter: Bio-prospecting of Fruits Waste for Exopolysaccharide Production by Bacteria: Biotechnology for Sustainable Environment	ISBN 978-981-16-1954-0 ISBN 978-981-16-1955-7 (eBook)	Springer	2021
Dr. Kinjal Bhatt	Conference Proceeding: Mercury Pollution and its alleviation by bacteria	ISBN: 978-93-90996-18-6	Archers and Elevators Publishing House, Bangalore	2021
Dr. Kinjal Bhatt	Conference Proceeding: Bacterial Biodegradation of Chlorpyrifos: A Review	ISBN: 978-93-90996-18-6	Archers and Elevators Publishing House, Bangalore	:2021



Staff Name	Name of the Book / Chapters in Books / Papers in Conference Proceedings	ISBN / ISSN Number	Name of the Publisher	Year of Publication
Prof Nidhip Shah	Finance Management in the New Normal Impact of Merger and Acquisitions on Financial Performance of Selected Healthcare Companies of India	987-93— 5473-781- 7	Faculty Of Management, Gls University	2021
Prof. Rajmohan Nair	Cost and Financial Accounting (B.Com Sem 5)	978-93- 84418-04- 5	Sudhir Prakashan	2021
Prof. Rajmohan Nair	National Service Scheme	978-93- 84418-92- 2	Sudhir Prakashan	2021
Dr. NC Raghavi Chakravarthy	Human Resource Management (BBAR-302)	978-93- 91071-44- 8	Knowledge Management and Research Organization, Baba Saheb Ambedkar Open University, Ahmedabad, Gujarat	2021
Dr. Manali Brahmbhatt	Artificial intelligence and machine learning	978-81- 949753-9- 7	Computer world	2022
Dr. Rajvi Oza	Jivansahityana Advaitani Khoj (An Academic Biography of the Sanskrit Scholar Vijay pandya)	ISBN: 978-93- 5108- 860-8	Parshav Publication	2022
Dr. Rashmi Yadav	Flora of Chandrapur	-	Orient Press	2021
Dr. U M Prajapati & Prof. Kishan Vyas	"On the Nourishing Number of Certain Graph Powers" in "Emerging Advancements in Mathematical Sciences"	978-1- 68507- 711-2	Nova Science Publisher, USA	2022



Books / Chapters Published by Students

Student Name	Name of the Book / Chapters in Books / Papers in Conference Proceedings	ISBN / ISSN Number	Name of the Publisher	Year of Publication
Ms. Janvi Shah	"Moonless nights"	9781639408573	Poetic Soul Publication	2021
Ms. Janvi Shah	"Wayfaring Quill"	978-93-93695-22-2	Noel Lorenz House of Fiction	2021
Ms. Janvi Shah	"12 Murders" A.M	ISBN: 978886417401	Imprint Publication	2022
Naiya Joshi	Pravas Darpan	978-93-90796-42-	Divine Publications	2022

Annexure-7 : Publications

Publications by Teachers

Staff Name	Title of the Paper	Journal / Vol. No. / Year
Dr Avni Divatia	Valorisation of fruit waste for enhanced exopolysaccharide production by Xanthomonas campestris using statistical optimisation of medium and process	Food Bioscience 46(3):101608 February 2022
Dr. Kinjal Bhatt	Valorisation of fruit waste for enhanced exopolysaccharide production by Xanthomonas campestris using statistical optimisation of medium and process.	Food Bioscience. 1;46:101608. Year: 2022



Staff Name	Title of the Paper	Journal / Vol. No. / Year
Dr. Atul H Makwana	Synthesis, molecular docking, DFT study, and in vitro antimicrobial activity of some 4-(biphenyl-4-yl)-1,4- dihydropyridine and 4-(biphenyl-4-yl)pyridine derivatives	J Biochem Mol Toxicol. 2021;e22903 DOI: 10.1002/jbt.22903 Aug 2021
Ms.Kinjal Mistry	A study of perception on role of Auditors: An analysis of major scams of India	Hemchandracharya International E Journal of Research/ Vol. 6, Issue 11/ January, 2022
Ms. Mitali Konnur	A study on measuring service quality and customer satisfaction in Indian banking sector	ISSN- 2350-0697 (2021)
Dr.Arefa Mansuri	Depression among the students during lockdown	The International Journal Of Indian Psychology.
Ms. Nithya Nadar	An Efficient IOT Model for waste segregation at source for Ahmedabad city	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE) e-ISSN: 2278-2834,p- ISSN: 2278-8735.Volume 16, Issue 6, Ser. I (Nov. – Dec. 2021), PP 54-57
Ms.Khushboo Shah	Smart Approach to Recognize Public Grievance from Microblogs	Towards Excellence - UGC HRDC - Gujarat University / VOL.13. ISSUE NO. 2 / June 2021



Staff Name	Title of the Paper	Journal / Vol. No. / Year
Ms. Khushboo Shah	Evaluating Binary Classifiers with Word Embedding Techniques for Public Grievances	Springer Nature Switzerland AG 2022 / 978-3-031-05766-3, icSoftComp 2021, CCIS 1572
Dr. Ishwar Mehra	Lokayat Darshan Ek Vastavik Darshan	Published by Soham An International Multidisciplinary peer Reviewed Research Journal. Volume -28, Issue-1 April.- June.- 2021 (Impact factor 5.005), ISSN: 2350-0697
Dr. Rajavi Oza	<p>1. Ambrosia of Bhagavata made digestible and relishable by the Commentary Shridhari.</p> <p>2. A Letter to Kadambari: A Man Enraptured in Svayatta Beauty.</p> <p>3. Criticism of the character Patralekha in the Kadambari by Bana: A Critical Study .</p> <p>4. Critical Edition of the Valmiki Ramayana.</p>	<p>Shabdasrushti, April-2021, ISSN-2319- 3220</p> <p>Sabdasara, August 2021, ISSN No: 2249-2933</p> <p>Published by Soham An International Multidisciplinary peer Reviewed Research Journal. Volume -30, Issue-8 Oct.- Dec.- 2021 (Impact factor 5.005), ISSN: 2350- 697</p> <p>Shabdasrushti, March:2022, ISSN:2319- 3220</p>



Staff Name	Title of the Paper	Journal / Vol. No. / Year
Dr. Rajesh Iyer	Understanding the variation of carbon monoxide over Ahmedabad city	IEEE Ingarss 2021
Dr. Rajesh Iyer	Spatiotemporal variation of nitrogen dioxide (no ₂) over the region of Ahmedabad city	IEEE Ingarss 2021
Dr. Rajesh Iyer	Assessment of black carbon concentration and delta cover over Ahmedabad	IEEE Ingarss 2021
Dr. Rajesh Iyer	Spatio-temporal variation of particulate matter (pm ₁₀ and pm _{2.5}) over Ahmedabad	IEEE Ingarss 2021
Dr. Rajesh Iyer	Recent trends of land surface temperature over Ahmedabad city observed from satellite data	IEEE Ingarss 2021
Dr. Rajesh Iyer	Studying the trend of carbon monoxide for lockdown period over India	IEEE Ingarss 2021
Dr. Rajesh Iyer	Variations of aerosol radiative forcing during covid-19 imposed lockdown over Ahmedabad city	IEEE Ingarss 2021
Dr. Rajesh Iyer	Estimation of aerosol radiative forcing at different site locations in Ahmedabad city	IEEE Ingarss 2021
Dr. Rajesh Iyer	Discerning the air quality of Ahmedabad and Gandhinagar: a case study over two years	IEEE Ingarss 2021
Dr. Sanjeev K. Gupta	Salt-assisted growth of monolayer MoS ₂ for high-performance hysteresis-free field-effect transistor	Journal of Applied Physics



Staff Name	Title of the Paper	Journal / Vol. No. / Year
Dr. Sanjeev K. Gupta	Azahomofullerenes as New n-Type Acceptor Materials for Efficient and Stable Inverted Planar Perovskite Solar Cells	ACS Applied Materials & Interfaces
Dr. Sanjeev K. Gupta	ZnS/CdX (X = S, Se, Te) Core/Shell Nanowires: An Attempt at Tuning the Electronic Bandgaps and SQ Efficiencies	Journal of Materials Chemistry C
Dr. Sanjeev K. Gupta	Antimonene Allotropes α - and β -Phases as Promising Anchoring Materials for Lithium–Sulfur Batteries	Energy & Fuels
Dr. Sanjeev K. Gupta	Highly Selective and Reversible 2D PtX ₂ (X=P, As) Hazardous Gas Sensors: Ab-initio Study	Applied Surface Science
Dr. Sanjeev K. Gupta	Ab-initio investigation of crystal structure and pressure induced phase transition in ThO ₂ and PuO ₂	Materials Today Communications
Dr. Sanjeev K. Gupta	Potential SiX (X = N, P, As, Sb, Bi) homo-bilayers for visible-light photocatalysts application	Catalysis Science & Technology
Dr. Sanjeev K. Gupta	Modulation of band gap and optical response of layered MoX ₂ (X = S, Se, Te) for electronic and optoelectronic applications	Materials Today Communications
Dr. Sanjeev K. Gupta	First-Principles Study of Mn-Doped and Nb-Doped CsPbCl ₃ Monolayers as an Absorber Layer in Solar Cells	Journal of Physical Chemistry Letters
Dr. Sanjeev K. Gupta	Dissociation of air pollutants on the uniform surface of pentagonal BeP ₂	Applied Surface Science
Dr. Sanjeev K. Gupta	Strain-mediated Ferromagnetism and Low-field Magnetic Reversal in Co Doped Monolayer WS ₂	Applied Surface Science



Staff Name	Title of the Paper	Journal / Vol. No. / Year
Dr. Sanjeev K. Gupta	Electric Field-Modulated Charge Transfer in Geometrically Tailored MoX_2/WX_2 ($X = \text{S, Se}$) Heterostructures	The Journal of Physical Chemistry C
Dr. Sanjeev K. Gupta	Enhanced thermoelectric properties in Sb/Ge core/shell nanowires through vacancy modulation	Scientific Reports
Dr. Sanjeev K. Gupta	Semiconductor Two-Dimensional PdQ_2 ($Q=\text{S, Se}$) Monolayer: Strain Modulating Electronic Band Gaps and SQ Efficiencies	Scientific Reports
Dr. Sanjeev K. Gupta	Electric Field-Modulated Charge Transfer in Geometrically Tailored MoX_2/WX_2 ($X = \text{S, Se}$) Heterostructures	The Journal of Physical Chemistry C
Dr. Sanjeev K. Gupta	Electronic Bandstructure Modulation of $\text{MoX}_2/\text{ZnO}(X:\text{S,Se})$ Heterostructure by Applying External Electric Field.	Scientific Reports
Dr. Sanjeev K. Gupta	Strain-mediated ferromagnetism and low-field magnetic reversal in Co- doped monolayer WS_2	Scientific Reports
Dr. Sanjeev K. Gupta	Strain modulating electronic band gaps and SQ efficiencies of semiconductor 2D PdQ_2 ($Q=\text{S, Se}$) monolayer	Scientific Reports
Dr. U M Prajapati & Mr.Kishan Vyas	Strong Modular Sumset Number of Graphs when Vertices are Assigned with Sets of Cardinality Two	Jordan Journal of Mathematics and Statistics Volume 14, No. 4, December 2021, 637-650
Dr. U M Prajapati	Sum Divisor Cordial Labeling in the Context of Graph Operations on Grötzsch	Journal of Computational Mathematica, 2456-8686, 6(1), 2022: 078-090



Publications by Students

Student Name	Title of the Paper	Journal / Vol. No. / Year
Yashvee Dixit	Pandemic And Online Education: The Psychological Effects Of Online Education On Students	International Journal Of Law Management And Humanities/Vol. 4 Issue 6
Anshika Singh	Predilection Of Intervention Of Text Messaging As An Effective Psychotherapy Tool During Covid-19 Pandemic, Among College Students	The International Journal Of Indian Psychology/Vol. 9, Issue 4
Yogesh Patel	Understanding The Variation Of Carbon Monoxide Over Ahmedabad City	Ieee Ingarss 2021
Vaibhav Trivedi	Spatiotemporal Variation Of Nitrogen Dioxide (No ₂) Over The Region Of Ahmedabad City	Ieee Ingarss 2021
Savan Panchal	Assessment Of Black Carbon Concentration And Delta Cover Ahmedabad	Ieee Ingarss 2021
Triya Belani	Spatio-Temporal Variation Of Particulate Matter (Pm ₁₀ And Pm _{2.5}) Over Ahmedabad	Ieee Ingarss 2021
Misal Shah	Recent Trends Of Land Surface Temperature Over Ahmedabad City Observed From Satellite Data	Ieee Ingarss 2021
Khushali Tank	Studying The Trend Of Carbon Monoxide For Lockdown Period Over India	Ieee Ingarss 2021
Heet Joshi & Shubham Jayswal	Variations Of Aerosol Radiative Forcing During Covid-19 Imposed Lockdown Over Ahmedabad City	Ieee Ingarss 2021
Shubham Jayswal & Heet Joshi	Estimation Of Aerosol Radiative Forcing At Different Site Locations In Ahmedabad City	Ieee Ingarss 2021
Dhyani Vadgama	Discerning The Air Quality Of Ahmedabad And Gandhinagar: A Case Study Over Two Years	Ieee Ingarss 2021



Annexure-8 :

Students Qualifying in State / National / International Level Examination

Student Name	Registration Number	Exam Qualified
Megha Mohan Pillai	CY204A136	IIT-JAM
Omsikha Rajesh Jadhav	CY202A224	IIT-JAM
Mitshu Ashvin Desai	CY202A052	IIT-JAM
Shivani Rathi	MA202A181	JAM
Samarth Pandya	MA203A044	JAM
Jaimin Patel	MA202A377	JAM
Amisha Sahoo	MA202A209	JAM
Chavda Sahil	MA202A192	JAM
Laiya Savan	MA202A318	JAM
Christian Rahul	MA202A300	JAM
Parth M Patel	K142Q85	GATE
Jaimin Patel	MA22S22003040	GATE
Prajapati Harsh Pravinbhai	2.1011E+11	CMAT
Trivedi Akshit Ajay	GJ01002351	CMAT
Prachiti Dad	20087368	CAT
Parth M Patel	90505	GRE
Mishal Vishal Mehta	9474938	GRE
Harsh Piyushkumar Shah	23886	IELTS
Desai Vatsal Dhavalbhai	24854	IELTS



Student Name	Registration Number	Exam Qualified
Yashita Singh	24962	IELTS
Dave Nihar Amit	24158	IELTS
Mishal Vishal Mehta	7.56141E+15	TOEFL
Jainy Kotadia	1452 1082 1475 6749	TOEFL
Srishti Pandey	3100882/215163	GSET
Parmar Rekhaben	310104	GSET
Kruti Vayeda	315622	GSET
Uday Sabad	126153255	GPSC

Students Recruited / Employed / Self Employed / Entrepreneurs

Student Name	Name of the Organisation	Designation
Parmar Bhaveshkumar Revabhai	Textile industry at morbi, QC	quality control
Kanak Singh	NGO You and I Trust	----
Sunasara Sabdarali Sabirhusain	Production Engineer at Pellucid lifesciences pvt.ltd	Production Engineer
Marediya Ahesan Ahemad Mahamad Javed	Pellucid lifescience pvt ltd, Chhatral	-----
Bhakti K Shah	Tech Manager, Jagruti Lab, Rajahmundry, AP	Tech Manager
Ayushi Pareek	Global Data Research Center, Hyderabad	-----
Chintan Bambharoliya	CELEBAL Technologies	Associate Data Integration
Jyoticaa Umang Dholabhai,	Discite Analytics Pvt. Ltd	Data Analyst
Keshal Shah	DataVizz	Junior Data Analyst



Student Name	Name of the Organisation	Designation
Irin Johny	DE SOTO Technologies Pvt. Ltd.	Junior Developer – Business Intelligence
Swetangi Mehta	KMK Computech Pvt.Ltd.	Associate Trainee, Commercial Analytics
Rama Singh Rathore	HeathTech India	Data Migration Engineer
Jiyani Sagar Ghanshyambhai	Cilans System	Junior Data Science Engineer
Carvalho Darren Savio	Sapio Analytica Pvt. Ltd.	Data Analyst
Vishnu Thanki Bhaskarraai	CU Rise Analytics Pvt.Ltd.	Analyst
Shreya P Jain	KMK Computech Pvt.Ltd.	Associate, Commercial Analytics,
RITAMBHARA	CU Rise Analytics Pvt.Ltd.	---
Vashu Gupta	Last Mile Channel Enhancement Pvt. Ltd.	---
Suparna Bose	CU Rise Analytics Pvt.Ltd.	---
Riddhi Shah	Krish Compusoft Services	Junior Management Cadre
Mr. Viraj Rajeshbhai Raval	Piramal Pharma Limited	Apprentice-R&D
Mr. Dushyantsinh Thakor	Piramal Pharma Limited	Apprentice-R&D
Ms. Seva Savani	o2h discovery Pvt Ltd	Research associate
Kiran Patel	o2h discovery Pvt Ltd	Research associate
Aashish Hapani	Piramal Pharma Limited	Apprentice-R&D
Namrta Pandya	Piramal Pharma Limited	Apprentice-R&D
Deepa Fernando	Tata Consultancy Services	Process Associate



Student Name	Name of the Organisation	Designation
Alice Dass	Tata Consultancy Services	Process Associate
Macwan Saumil Chandrakant	Tata Consultancy Services	Process Associate
Aakash Jeejo	Tata Consultancy Services	Process Associate
Fernandes Jadya Joseph	Tata Consultancy Services	Process Associate
Naidu Shivani Vijay	Tata Consultancy Services	Process Associate
Desai Daryl Denny	Tata Consultancy Services	Process Associate
Soni Bansari Kamleshkumar	Tata Consultancy Services	Process Associate
Poruthur Mariya Pious	Tata Consultancy Services	Process Associate
Shreshth	Tata Consultancy Services	Process Associate
Mecwan Alan Alex	Tata Consultancy Services	Process Associate
Menon Shweta Manikandan	Tata Consultancy Services	Process Associate
Charushree Khare	Tata Consultancy Services	Process Associate
Vedanshi Modi	Tata Consultancy Services	Process Associate
Arya Drishti	Tata Consultancy Services	Process Associate
Patel Sakshi Dipakbhai	Tata Consultancy Services	Process Associate
Huda Manveen Kaur Daljeet Singh	Tata Consultancy Services	Process Associate
Shrimali Mrudangi Hemantkumar	Tata Consultancy Services	Process Associate
Attarwala Hussain Murtaza	Tata Consultancy Services	Process Associate
Arora Harshil Vedprakash	Tata Consultancy Services	Process Associate
Rishikesh Pandey	Tata Consultancy Services	Process Associate
Pereira Jane Joy	Tata Consultancy Services	Process Associate



Student Name	Name of the Organisation	Designation
Anchal Yadav	Tata Consultancy Services	Process Associate
Nair Sruthi Sreekumar	Tata Consultancy Services	Process Associate
Soni Dhruv Rajankumar	Tata Consultancy Services	Process Associate
Thattil Jishi Shammy	Anand Niketan School (Maninagar Campus)	School Counselor
Jigyasha Gothi	Cognizavest Surat	Assistant Coordinator
Himanshi Bhatt	Visa Consultant	Visa Counselor
Mahima Nair	In clinic	Psychologist
Sukanya Sangar	Indian Institute of Management Ahmedabad	Research Assistant
Muskaan Khan	Ahmedabad University	Teaching Assistant
Twisha Shah	Cognizavest Surat	Assistant Coordinator
Yogita Singh	York University	Research Mentor
Visesh Agarwal	Infosys limited	Operations Executive
Meghna Bisht	TCS	Graduate Trainee
brijen rakholiya	Grow Solutions	Data Analyst
manghwani bhoomika rameshbhai	Infosys limited	Operation Executive
HARSH PIYUSHKUMAR SHAH	California State University	Student Assistant
Shruti Jethwa	Envestnet Yodlee	System Analyst
Kaushik Jain	Websys Infotech	Jr. Web and Cloud Developer
Heer Narenkumar Shah	Tata Consultancy Services Limited	Trainee
Hardik Maru	AIMS	Executive Linen and Store



Student Name	Name of the Organisation	Designation
Dhwani	US Health care Administration, Fedora Solutions Pvt.Ltd	Fresher, Oncology Department
Abhishek Singh	Etech teleservice Company	Customer Chat representative
Syber Parmar	Collaboration with many Studios	Freelance Event Photographer

Annexure-9 :

Staff Attended in various Seminar / Conference / Symposium at different levels

Staff Name	Name of the Seminar / Conference / Symposium	Levels
Dr.Sudeshna Menon	Seminar on Present Day Biology: Recent advancements in biological sciences, St Xavier's College, Ahmedabad	National
Dr.Yogesh Baravalia	Seminar on Present Day Biology: Recent advancements in biological sciences, St Xavier's College, Ahmedabad	National
Dr.Sebastian V A	Seminar on Present Day Biology: Recent advancements in biological sciences, St Xavier's College, Ahmedabad	National
Dr.Avni	Seminar on Present Day Biology: Recent advancements in biological sciences, St Xavier's College, Ahmedabad	National
Ms.Priya Vijayan	Seminar on Present Day Biology: Recent advancements in biological sciences, St Xavier's College, Ahmedabad	National
Dr.Nandini	Seminar on Present Day Biology: Recent advancements in biological sciences, St Xavier's College, Ahmedabad	National
Ms.Sonal Thakur	Seminar on Present Day Biology: Recent advancements in biological sciences, St Xavier's College, Ahmedabad	National



Staff Name	Name of the Seminar / Conference / Symposium	Levels
Dr.Shital Doshi	Seminar on Present Day Biology: Recent advancements in biological sciences, St Xavier's College, Ahmedabad	National
Dr.Pranav Trivedi	One week Online Faculty Development Program On Advanced Research Methodology Applicable in new Education Policy Organized By Digvijay Nath Post Graduate College, Gorakhpur, UP	National
Dr. Devang Pandya	One week Online Faculty Development Program On Advanced Research Methodology Applicable in new Education Policy Organized By Digvijay Nath Post Graduate College, Gorakhpur, UP	National
Dr Atul H Makwana	One week Online Faculty Development Program On Advanced Research Methodology Applicable in new Education Policy Organized By Digvijay Nath Post Graduate College, Gorakhpur, UP	National
Ms. Disha Khetani	One week Online Faculty Development Program On Advanced Research Methodology Applicable in new Education Policy Organized By Digvijay Nath Post Graduate College, Gorakhpur, UP	National
Dr. Divya Gangal	One week Online Faculty Development Program On Advanced Research Methodology Applicable in new Education Policy Organized By Digvijay Nath Post Graduate College, Gorakhpur, UP	National
Dr.Divya Buha	One week Online Faculty Development Program On Advanced Research Methodology Applicable in new Education Policy Organized By Digvijay Nath Post Graduate College, Gorakhpur, UP	National
Dr Arti Oza	Money Matters: Let's Value It by Women's Development Cell and Internal Complaint Committee of Gujarat University	National
Mr. Dhwanir Shah	Gujarat University, Ahmedabad	National



Staff Name	Name of the Seminar / Conference / Symposium	Levels
Mr. Dhanvir Shah	Christ University, Bangalore	National
Dr. Dhara Bhatt	"Money Matters : Let's Value It" National Webinar	National
Dr. Dhara Bhatt	International Webinar on "Data Science and Its Growing Importance"	International
Dr. Dhara Bhatt	Innovation Incubation & Research challenges in India (FDP)	National
Dr. Dhara Bhatt	"Countering Insurgency and Terrorist Operations in India : Drones" Webinar	National
Ms.Khushboo Shah	Five days online FDP on Advanced Trends in Digital	National
Ms.Khushboo Shah	3 Days Online National Level FDP on "Innovative Developments in Data Science"	National
Ms.Khushboo Shah	National Level FDP cum-Orientation Programme on Assessment and Accreditation Process of NAAC	National
Dr. Ishwar Mehra	Quiz on Ambedkar Jayanti	State
Dr.Rajavi Oza	Webinar . Lakulisha yog University. A'bad	National
Dr. Fr. Lancelot D' Cruz	Tarumitra National Webinar on the Relevance of Ecosystem Restoration during this Pandemic Era organized by AADI Eco-reserve Attappady, Kerala in association with Tarumitra, Patna, Bihar	National
Dr. Fr. Lancelot D'Cruz	"Triennial Conference and 19th General Body meeting of Member Institutions of AIACHE" at Hotel Singaar International, Kanyakumari, Tamilnadu	National
Dr.Rajavi Oza	Webinar . Lakulisha yog University. A'bad	National
Dr. Fr. Lancelot D' Cruz	"Webinar on Career path Planning and Counselling for students and Emotional Intelligence (EQ) in Education	National
Dr. Fr. Lancelot D'Cruz	International Ignatian Ecospiritual Conference	International Conference



Staff Name	Name of the Seminar / Conference / Symposium	Levels
Dr. Kinnari J Dubal	"Landscaping and Horticulture" Organized by Department of Botany, St. Xavier's College Ranchi and St. Xavier's College, Ahmedabad	National Webinar
Dr. Kinnari J Dubal	Did anchoring at Vibrant Gujarat Summit	Vibrant Gujarat
Dr. Rashmi Yadav	"Landscaping and Horticulture" Organized by St. Xavier's College, Ranchi in association with St. Xavier's College. Ahmedabad	National
Dr. Suhani Parekh	"Climate Change in India: Special Reference to Odisha" Organised by Saint Francis De Sales College, Nagpur	National Webinar
Dr. Suhani Parekh	"Teachers in Digital Times: Makers of a New Education System"	National Webinar
Dr. Suhani Parekh	"Landscaping and Horticulture" Organized by St. Xavier's College, Ranchi in association with St. Xavier's College. Ahmedabad	State
Dr. Suhani Parekh	"Climate Change and Future Challenges" Organized by Marian Star Centre, Department of Botany, St. Mary's College (Autonomous), Thoothukudi	International Webinar
Dr Meena Pandya	DELNET: Resources & Services Organised by St.Xavier's College of Mgmt.& Tech.Patna	National Webinar
Dr Meena Pandya	Navigating Pathways: Preparing the Future Workforce of LIS Professionals organized by DELNET	National Webinar
Dr Meena Pandya	Tools and Strategies for Countering Information Overload organized by DELNET	National Webinar
Dr Meena Pandya	Celebrating National Technology Day organized by DELNET	National Webinar
Dr Meena Pandya	Research Data Mgmt.Landscape:What Librarians & Researchers Need To Know? organized by DELNET	National Webinar



Staff Presented Papers in various Seminar / Conference / Symposium at different levels

Staff Name	Name of the Seminar / Conference /Symposium	Levels	Topic of the Paper Presented
Prof Nidhip Shah	Advances in Theory Research and Practices in Management, 2021	International Conference (Virtual Mode)	Impact of Merger and Acquisitions on Financial Performance of Selected Healthcare Companies of India
Ms.Mitali Konnur	National Level E conference on Empowering the corporate world to create smart future through E governance and digitation	National	A study on measuring service quality and customer satisfaction in Indian banking sector
Dr.Atman Shah	Amrut Modi School of Managment, Ahmedabad University	National	Indian States: A comparative Study of Fiscal Response, COVID 19 and Economic growth
Dr. Arefa J Mansuri	Indian Academy of Applied Psychology.	International	Depression among the Pensioner & non pensioner persons.
Mr. Dhwanir Shah	K.S.School of Business Management & Information Technology, Ahmedabad	National	Evaluating Binary Classifiers with Word Embedding Techniques for Public Grievances
Ms.Nithya Nadar	Conference on Interdisciplinary research	International	An Efficient IOT Model for waste segregation at source for Ahmedabad city
Ms.Khushboo Shah	2021 3rd International Conference on Soft Computing and its Engineering Applications	International	Evaluating Binary Classifiers with Word Embedding Techniques for Public Grievances
Dr. Aruna Kaushik Pandya	International Seminar on effect of Covid-19 Pandemic on Mental Health by GLS University	International	Effect of Covid-19 Pandemic on Mental Health of University Students



Staff Name	Name of the Seminar / Conference /Symposium	Levels	Topic of the Paper Presented
Dr. Ishwar Mehra	Natinal Webinar on Indian Religion, Society and Science	National	Influe nce of religio n on Indian Societ y
Dr.Rajavi Oza	Satlasana	National	Akhyayika of Yama Yami in the Brahmana Literature and a Story of Nachiketa: Its Relevance in the present Times
Dr.Rajavi Oza	Taranga	National	Critici sm of the charac ter Patral ekha in the Kada mbari by Bana: A Critical Study
Dr. Suhani Parekh	National Conference "Changing Scenario in Plant Sciences" Jointly Organized by Botanical Advanced Association, Gujarat (BAAG) and R R Mehta College of Science , Palanpur	National Conference	Innovative Methods of teaching in Botany
Mr.Kishan Vyas	5th International Conference on Recent Advances in Mathematical Sciences and its Applications (RAMSA-2021) Venue : IIIT, Noida, India	International	"On the Nourishing Number of Certain Graph Powers"
Mr.Kishan Vyas	National Symposium on Recent Trends in Mathematical Sciences(RTMS-2022) Venue: MUIS, Ganpat University	National	"Nourishing Number of Some Associated Graphs"
Ms.Arati Salat	International Conference on Contemporary Research on Mathematics and Computer Science	International	The Distinguishing Number of Some Different Kind of Graphs



Staff who Attended Refresher / Orientation / Workshops at different levels

Staff Name	Name and Place of the Refresher / Orientation / Workshops	Dates	Levels: Local / State/ National/ International
Dr Yogesh Baravalia	Certificate Course on "Basics of Vernacular Innovation Training"	24/01/22 to 23/02/22	State
Dr Pranav Trivedi	Online Refresher Course in Chemistry, UGC HRDC, Gujarat University Ahmedabad	16-08-2021 to 29-08-2021 of 12 working days and 72 hour	National
Dr Pranav Trivedi	The ARPIT course for Career Advancement Scheme (CAS) promotion online Refresher Course in Chemistry for Higher Education, SWAYAM	Exam Conducted Aug 2021	National
Dr Devang R Pandya	Online Refresher Course in Chemistry, UGC HRDC, Gujarat University Ahmedabad	16-08-2021 to 29-08-2021 of 12 working days and 72 hour	National
Dr Atul H Makwana	Online Refresher Course in Chemistry, UGC HRDC, Gujarat University Ahmedabad	16-08-2021 to 29-08-2021 of 12 working days and 72 hour	National
Dr Atul H Makwana	The ARPIT course for Career Advancement Scheme (CAS) promotion online Refresher Course in Chemistry for Higher Education, SWAYAM	Exam Conducted Aug 2021	National
Ms.Disha Khetani	National Education Policy 2020 for higher education St.Xavier's college Mumbai	10/1/2022	National
Dr.Divya Gangal	National Education Policy 2020 for higher education St.Xavier's college Mumbai	10/1/2022	National



Staff Name	Name and Place of the Refresher / Orientation / Workshops	Dates	Levels: Local / State/ National/ International
Ms.Kinjal Mistry	5-day e-course on Emerging Technologies of Future (a Short term training program)	21st to 25th March, 2022	National
Prof. Rajmohan Nair	Contemporary issues in Accounting Education and Research (Capacity Building Programme – ICSSR)	28th February to 12th March, 2022	National
Dr. NC Raghavi Chakravarthy	National Webinar on “How to Create Wealth through Personal Financial Management” organised by Haryana Commerce & Management Association (HCMA) in collaboration with Association of Mutual Funds in India (AMFI)	23-09-2021	National
Mr. Vijaysinh Dhandhukiya	Orientation	12 Jul to 10 Aug 2021	National
Mr. Vijaysinh Dhandhukiya	UGC sponsored Online Webinar on Leadership	17-02-2022	National
Mr. Vijaysinh Dhandhukiya	UGC sponsored Online Webinar on Climate change	19-02-2022	National
Mr. Vijaysinh Dhandhukiya	2nd Annual Economic Conference organised by Ahmedabad University	4 th to-6th March 2021	State
Mr. Vijaysinh Dhandhukiya	FDP on Financial Market	12th-16th April 2021	State
Mr. Vijaysinh Dhandhukiya	Online FDP by KCG	30th March to 9th April 2021	State
Mr. Vijaysinh Dhandhukiya	Teacher Education with reference to NEP 2020 by BAOU	10-06-21	National



Staff Name	Name and Place of the Refresher / Orientation / Workshops	Dates	Levels: Local / State/ National/ International
Mr. Vijaysinh Dhandhukiya	Research, Innovation and Ranking	9-08-21	National
Mr. Vijaysinh Dhandhukiya	Experimental Teaching: Corporate Cognizance	13-08-21	National
Dr Arti Oza	Orientation at HDRC, GU	12/07/2021 to 10/07/2021	State
Dr Arti Oza	FDP at Shri Ram Krishna College of Arts and Science, Coimbatore	09/08/2021 to 13/08/2021	International
Dr. Arefa J Mansuri	IQAC Online Certificate Course On scientific writing	31stJan to 2nd Feb 2022	National
Mr. Dhwanir Shah	GLS University, Ahmedabad	09/02/2022 TO 12/02/2022	National
Dr. Dhara Bhatt	Information Technology in Global Society- Refresher Course	6th to 19th Sept- 2021	State
Ms. Khushboo Shah	Refresher Course on Information and Communication Technology	7th to 19th March 2022	National
Dr. Manali Brahmbhatt	Online STTP on Machine Learning, organized by FCAIT & FCT, GLS University,	9th - 12th Feb 2022	State
Dr. Manali Brahmbhatt	UGC - SPONSORED ONLINE WINTER SCHOOL	22/11/2021 to 05/12/2021	National
Dr. Annaashirvadita Sacha	Online course -Developing an Online Teaching Program TESOL International Association & Office of English Language Programs, US Dept of State	5/7/21 to 12/12/21	International
Dr. Aruna Kaushik Pandya	Online certificate Course on Scientific research writing	31/01/2022 to 06/02/2022	State



Staff Name	Name and Place of the Refresher / Orientation / Workshops	Dates	Levels: Local / State/ National/ International
Dr. Sweta Patel	Online certificate Course on Scientific research writing	31/01/2022 to 06/02/2022	State
Dr.P.U Makwana	Online FDP By KCG	28-03-22 to 08-04-22	State
Dr. Ishwar Mehra	Shri Brahmcharivadi Inst. Of Sanskrit Studies Career opportunities in Sanskrit	25/02/2022	Local
Dr. Fr. Lancelot D'Cruz	Online faculty Workshop titled "National Education Policy 2020 for higher Education" Organized by IQAC, St. Xavier's College (Mumbai)	10th January 2022	National
Dr. Rashmi Yadav	International Workshop on Advanced Statistical Data Analysis using SPSS Organized by ScienceTEch Institute, Lunkow, UP, India	21-27th September 2021	International
Dr. Suhani parekh	5- Day Interdisciplinary Online Workshop on "Advance Teaching, Learning, research methodology and Innovations" organized by Saint Francis De Sales College, Nagpur	1st June to 5th June 2021	National
Dr. Suhani Girish Parekh	"3-Day Online Workshop on Arbuscular Mycorrhizal Biodiversity, Taxonomy and Propagation" Organized by Department of Botany Rajiv Gandhi University, Rono Hills, Doimukh, Arunachal Pradesh	19- 20 January 2022	International
Ms. Arti Salat	27th International Conference of International Academy of Physical Sciences (CONIAPS XXVII) On "Graph Theory and Applications"	October 26-28, 2021	International



Staff Name	Name and Place of the Refresher / Orientation / Workshops	Dates	Levels: Local / State/ National/ International
Ms. Arti Salat	One day National Seminar (Online Mode) on Application of Mathematics in Engineering and Science	January 31st, 2022	National
Dr. Udayan Prajapati	Online National Conference on Emerging Trends in Discrete Mathematics (NCETDM-2022) at HNGU, Patan	17-19 February, 2022	National
Dr. Udayan Prajapati	Online Prof. P. C. Vaidya National Conference of Mathematical Science at SP Uni. VVnagar	15-16 March, 2022	National



Annexure-10 :

Staff / Students who were Resource Persons / Delivered Special Lectures / Gave Interviews (Radio/TV/Media/In general) / Talks etc.

Staff / Student Name	Acted as Resource Persons / Expert Lecture Delivered / Any Media, Interview, Talks etc.	Details of the Event	Date of Event
Dr Sebastian VA	Resource Person	St Josephs College, Allepuzha, Kerala	21-Sep
Prof. Deesha Khetani	Special Lecture	Delivered lecture on Cosmetic Chemistry (Industrial Chemistry)	10/2/2022
Prof Nidhip Shah	Resource Person	It was a workshop on Accounting Skills held by Silver Oak University	7th June 2021 to 11th June 2021
CA Harsh Khoradia	Expert Lecture	"Session on Direct and Indirect Taxation" for Sem II finance students of ISBS, Pune	20th September, 2021
Dr. Pinky Desai	Sandesh TV	Ukraine War-Economic Impact	
Dr. Atman Shah	GSTV, VTV, Nirman News, Gujarat News, News Nation	Inflation, Union and State Budget	
Dr.Atman Shah along with Fr. (Dr.) Sunil Macwan	The Pioneer	Gandhian Model can eliminate Covid-induced poverty	25-May-21
Dr.Atman Shah	Newsclik, panel discussion	COVID, MSMEs and Union Budget 2022-23	6-Feb-22



Staff / Student Name	Acted as Resource Persons / Expert Lecture Delivered / Any Media, Interview, Talks etc.	Details of the Event	Date of Event
Dr.Atman Shah	Newslick, panel discussion	Does Economic Inequality Matter?	4-Feb-22
Dr.Atman Shah	Newslick, Panel discussion	No, India will not become a Muslim Rashtra.	30-Oct-21
Dr.Atman Shah	KSKV University, Bhuj	State Level workshop on SPSS	9-10 Dec 2021
Dr.Atman Shah	KES Shroff Colege, Mumbai	session on Quantitative Research in Social Sciences in a One Week Webinar on Scholarly Writing, Publishing and Research in Social Sciences	9-Jul-21
Dr.Atman Shah	Government Arts and Commerce college, Rapar, Kachchh	Deliver a Key Note address in a National Level Webinar on Blok Level Demography in Gujarat: Issues and Challenges	11-Jul-21
Dr.Atman Shah	Abhinav College, Mumbai	Worked as a convener and resource person in a National Level One Week Online Live Workshop on Research Methodology and Data Analysis using SPSS and R-Studio	1-6 June 2021
Dr Arti Oza	Expert Lecturer	PhD Coursework, Hemchandracharya North Gujarat University, Patan	15/12/2021
Dr. Supriya Sioni	Expert Lecturer	Webinar on Mental Health Awareness	30/04/2022



Staff / Student Name	Acted as Resource Persons / Expert Lecture Delivered / Any Media, Interview, Talks etc.	Details of the Event	Date of Event
Dr.Udayan Prajapati	Expert Lecture	on National Mathematics Day at S P University, V V Nagar	22 December, 2021
Dr. Dhara Bhatt	Webinar for BCA	"Emerging Technologies" at CUShah University	26-10-2021
Dr. Dhara Bhatt	Webinar for Msc(IT), B.sc(CS) & BCA	"Emerging Technologies" at Shri M. Patel Institute of Science & Research and SVKM Inst. Of comp. studies, sector-15, Gandhinagar. Shah Science College	20-11-2021
Dr. Dhara Bhatt	Expert lecture in Phd course work	"Big Data Analytics Essential Algorithms" at Sarvajani University Phd course work	23-4-2022
Dr. Dhara Bhatt	Expert lecture in Phd course work	"Research Paper writing for Computer Science and case base learning" at Sarvajani University Phd course work	5-Jul-22
Prof. Anil. M. Parmar	Resource person	Hindi Pakhvaad (The New India Assurance Co.ltd.Aashram Road)	14-9-21
Dr.Ishwar Mehra	Resource Person	(1) Leadership "and Career guidance for Students and (2) Capacity" building training for teachers at St. Xavier's High School, Bhachau, Kutch	17-18 December, 2021 .



Staff / Student Name	Acted as Resource Persons / Expert Lecture Delivered / Any Media, Interview, Talks etc.	Details of the Event	Date of Event
Dr.Ishwar Mehra	Resource Person	Grammer Workshop At Uma arts & Nathiba Com. College, Gandhinagar	20/04/2022
Dr. Ishwar Mehra	Key note Speaker	Online International Webinar on Understanding Geeta(गीताबोधः)	23/12/2021
Dr.Rajavi Oza	Radio Interview	interviewed by the Akashvani, Amdavad- Vadodara Station in the Ajna Atithi	18/10/2021
Dr. Fr. Lancelot D'Cruz	Invites Speaker	LAUDATO SI' WEEK 2021 "A renewed Call to Ecological Conversion in the Covid Pandemic Era"	29th May 2021
Dr. Kinnari J Dubal	Invited Speaker	Effect of Climate Change on Biodiversity: How to deal with this Crisis? Webinar Organized by Nanoland Organisers	8th October 2021
Dr.Dhawal J. Bhatt	Resource Person	7th Problem Solving and Enrichment in Mathematics,	28th December, 2021 to 1st January, 2022
Dr.Savan K. Patel	Resource Person	7th Problem Solving and Enrichment in Mathematics,	28th December, 2021 to 1st January, 2022
Dr. Dhawal J. Bhatt	Resource Person	Madhava Nurture Camp-2021	2, 3, 9, 10, 15, 16, 17, 23, 24, 30, 31 Oct-2021



Staff / Student Name	Acted as Resource Persons / Expert Lecture Delivered / Any Media, Interview, Talks etc.	Details of the Event	Date of Event
Dr.Dhawal J. Bhatt	Expert Lecture	Gujarat Science City	22nd December, 2021
Dr.Udayan Prajapati	Expert Lecture Keynote Speech	Gujarat Vigyan Sammelon-2022	1/2/2022
Dr.Udayan Prajapati	Expert Lecture	Vigyan Abhignata Shibir	14-16 March, 2022
Dr.Udayan Prajapati	Expert Lecture	State level Mathematical Problem SOLving Workshop on NET/SLET Examination at South Gujarat Uni.	6 March, 2022
Dr.Udayan Prajapati	Prashant Sandhya	58th GGM State level conference M N J Patel Madhyamik School, Surat	26(offline) ,27, 29(online) December, 2021
Dr.Udayan Prajapati	Expert Lecture	on National Mathematics Day at S P University, V V Nagar	22 December, 2021



Annexure-11 :

Awards and Recognition received for Extension Activities from Government / Government Recognised Bodies

Name of the Activity	Name of the Award / Recognitions	Name of the Awarding Government / Government Recognised Bodies
Highest Award for the literary achievement in Sanskrit	Yuva Gaurav Puraskar	Sanskrit Sahitya Academy (Gujarat Sahitya Academy), Gandhinagar
Azadi ka Amrut-mahotsav organised by NSS Unit, St Xavier's College	Certificate of Appreciation and Honorarium	Chandanpura Gram Panchayat, Ta. Kadi, Dist. Mehsana
Each One Reach One Covid Mission	Certificate of Recognition	Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Govt. of India
Ms. Janvi Shah	Certificate of appreciation	Poetic Soul Publication
Ms. Janvi Shah	Certificate of appreciation	Noel Lorenz House of Fiction
Ms. Janvi Shah	Certificate of appreciation	Imprint Publication
Dr. Fr. Lancelot D' Cruz	Patent	Intellectual Property India
Book Award	1st Prize for the book	Sanskrit Sahitya Academy (Gujarat Sahitya Academy), Gandhinagar
Social service camp by NSS Unit, St Xavier's College	Certificate of appreciation and honorarium	Rahelbaa Vrudhashram, Near Mamaiya Mata Temple, Magodi, Ta & Dist Gandhinagar
GU Mountaineering Camp	Certificate of Recognition	Swami Vivekanand Mountraineeng institute, Mount Abu
Thalassemia Screening and Prevention	Certificate of appreciation and honorarium	Indian Red Cross Society, Gujarat
Social Service	Certificate of Recognition	Madhurya Bhuvan, Center for Mentally challenged children, Thakkarbapa Nagar Road, Ahmedabad.



Students Participating in Extension Activities

Name of the Activity	Organising Unit / Agency / Collaborating Agency	Name of the Scheme	Month & Year of the Activity	No. of Students who participated in such activities
Each One Reach One Mission	NSS SXCA	NSS	July 4, 2021	21
Webinar on Pocso act 2012	NSS SXCA	NSS	July 17, 2021	48
Organ Donation Awwreness	NSS SXCA	NSS	September 17, 2021	30
Save Birds	NSS SXCA	NSS	January 26, 2022	16
Viranjali	NSS SXCA	NSS	March 23, 2022	11
NSS GU Intercollege 7 Days Special Camp	NSS SXCA	NSS	28/03/2022 to 03/04/2022	1
GU Mountaineering Camp (Student Activity)	GU NSS	NSS	April 22, 2022	2
Utkarsh Get Together	NSS SXCA	NSS	March 27, 2022	4
Old Age Home Visit at Magodi, Gandinagar	CWDC SXCA	CWDC	March 8, 2022	30
Specially Abled Child Centre Visit	CWDC SXCA	CWDC	March 16, 2022	30
Nanhe Kadam	CWDC SXCA	CWDC	March 26, 2022	30
Utkasrsh Snehmilan	CWDC SXCA	CWDC	March 27, 2022	32



Annexure-12 :

The Amount of Seed Money provided by Institution to its Teachers for Research

Name of the Teacher provided with Seed Money	The Amount of Seed Money (INR in Lakhs)	Year of Receiving
Dr. Kinjal H. Upadhyay	1 Lakh	2021-22
Dr. Rashmi Santosh Yadav	1 Lakh	2021-22
Dr. Shital Doshi	1 Lakh	2021-22
Ms. Srishti Chhabria	1 Lakh	2021-22
Dr. Fr. Antony Suresh	1 Lakh	2021-22
Dr. Mallika Sanyal	1 Lakh	2021-22
Dr Sanjeev K. Gupta	1 Lakh	2021-22
Dr. Biren Patel	1 Lakh	2021-22
Fr (Dr) Johnson Mundupuzhakal and Dr Sanjeev K. Gupta	1 Lakh	2021-22
Dr. Suhani Parekh	1 Lakh	2021-22
Dr. Rajesh Iyer and Dr. Lancelot D'Cruz SJ	3 Lakhs	2021-22
Prof. Pinky J. Desai and Dr Rashmi Yadav	3 Lakhs	2021-22



Annexure-13 : Scholarships

Number of Students receiving Scholarships and Freeships provided by the Government during the year.

Name of the Scheme	No. of Students receiving Scholarships / Freeships provided by Govt.
Post S.S.C. Scholarship for Physically Handicapped Students	2
Umbrella Scheme for St Students	99
VKY 156 Sholarship Scheme for St Girls (Annual Income 2.50 Lac or more)	8
BCK 6.1 Post Matric Scholarship for SC Students	54
BCK 6.1 Post Matric Scholarship for SC Students (Freeship Card)	1
BCK 5 Post Matric Scholarship to SC Girls Students (Annual Income 2.50 Lac to 6 Lacs)	1
BCK 5 Post Matric Scholarship to SC Girls Students (Annual Income more than 6 Lacs)	6
Dr. Ambedkar Post Matric Scholarship of Government of India For Economic Backward Class (EWS) Students	9
BCK 78 Post - Matric Scholarships Patrak for - SEBC/EBC/Mino/NTDNT (Girls only)	33
BCK 81 Post - Matric Scholarships Patrak for - SEBC/EBC/Mino/NTDNT	40
Bck 81a Post - Matric Scholarships Patrak for - SEBC/EBC/Mino/NTDNT	11
Bck -137 Post S.S.C Scholarship for Girls(NTDNT)	1



Name of the Scheme	No. of Students receiving Scholarships / Freeships provided by Govt.
BCK -325 Educational Assistance for NTDNT Students Studying In Self-Financed College (NTDNT)	2
BCK-138 Post S.S.C Scholarship for Boys (NTDNT)	1
Post Matric Scholarship for Students with Disabilities	9
Post Matric Scholarship Schemes Minorities CS	42
Central Sector Scheme of Scholarships for College And University Students	24
PG Indira Gandhi Scholarship for Single Girl Child	1
Ishan Uday Special Scholarship Scheme for NER	1
PG Scholarship For University Rank Holders (1st And 2nd Rank Holders)	1
Prime Minister's Scholarship Scheme for Central Armed Police Forces and Assam Rifles	1
Prime Minister's Special Scholarship Scheme for Jammu and Kashmir Student	2



Number of Students receiving Scholarships and Freeships provided by the Institution.

Name of the Scheme	No. of Students receiving Scholarships / Freeships provided by Institution.
Needy Student Fund	52
The Prin. C.L.Shastrri Scholarship	1
The Dr. N.M.Shah Scholarship	1
The Joseph Fernandes Scholarship	1
The Eugene Seville Scholarship	1
The Golden Jubilee Sports Scholarship	2
The Abdul Samad K. Lokhandwala Scholarship	1



Annexure-14 : Capacity Development and Skill Enhancement Activities

Name of the Capacity Development and Skill Enhancement Programme	Date of Implementation	Name of the Agencies / Consultants involved with contact details (if any)
SOFT SKILL: 2021-22		
B-Helix:: Probiotics as Therapeutics	07/10/2021	Dr. Agastian Theoder, Loyola College, Chennai
Nobel Prize for Physiology or Medicine and chemistry 2021	14/10/2021	Jyoti sadhwani and Hasnat Saiyed
Simple to Spectacular in Biological Sciences	12/02/2022	Dr. Sebastian V A and Dr. Sudeshna Menon, Department of Biochemistry Biotechnology, St. Xavier's College, Ahmedabad
Health: The Earth and Us	09/04/2022	Mr. Hector Andrade, Free Lancer
LANGUAGE AND COMMUNICATION SKILLS: 2021-22		
Reading Financial Statements	1 st and 2 nd June, 2021	Dr. Umesh Menon Dr. Umesh Menon is a management consultant with special interests in the field of SME development, investment promotion, international diversification advisory services, training and Research in SME development clusters and value chains. He also worked as an international expert for UNIDO, UNDP, World Bank, USAID, DFID and EU.
Hindi Divas Celebration	14/09/2021	Kavi: Sultan Ahmed, Retired Prof. Saraspur Arts College, Ahmedabad. M: 9979451243



Name of the Capacity Development and Skill Enhancement Programme	Date of Implementation	Name of the Agencies / Consultants involved with contact details (if any)
વિશ્વ માતૃભાષા દિવસની ઉજવણી (ગુજરાતી વિભાગ)	21/02/2022	Dr. Vaishali Dholkiya, Associate Professor, Rashtrabhasha College, Gujarat and Dr. Drashti Patel, Gujarat University
Guest lecture"COGNIZANCE 2022 A Chrononautical Voyage"	3/4/2022	Viswanath Pingali, Prof at IIM, Ahmedabad and Dhruv Gupta, IPS
LIFE SKILLS: 2021-22		
7th International Yoga Day	21/06/2021	Dipali Talsaniya, St. Xavier's College Ahmedabad
Sanskrit sahitya ma sadbhavna	23/08/2021	Sanskrit sahitya Academy
Organ Donation camp	17/09/2021	Devang Pandya, N.S.S unit, St. Xavier's College Ahmedabad
World Health Day 2022 Celebrations	07/04/2022	Dr Dharmesh Patel, HOD, GIPS
Mentruel Health and Hygiene Awareness	21/01/2022	Mrs. Nitya Chaudhary, Unicharm India
Online Lecture Series"Journey Towards Healing"	March 29 to April 01, 2022	Ms Chhavi Damani, Mrs Ami Mehra Braganza, Dr Mauli Mahajan, Dr Griva Shah
AWARENESS OF TRENDS IN TECHNOLOGY: 2021-22		
Statistics for Sustainable development goals	29/06/2021	Dr. Vipul Kalamkar, HOD, M.S.U Baroda
How to Use SAS (Statistical Analysis Software)	7/10/2021	Dr. Venkat Rao and Dr. Ganshyam Patel



Name of the Capacity Development and Skill Enhancement Programme	Date of Implementation	Name of the Agencies / Consultants involved with contact details (if any)
Numerical methods using Python	12-07-2021 to 16-07-2021	Dr Gurudatt Gaur Associate Professor, Chandigarh University, Chandigarh; Dr Amit Reza Postdoctoral Fellow Nikhef, Netherlands; Mr. Chetan Verma PhD Scholar TAR, Gandhinagar
સંસ્કૃત સાહિત્યમાં સદસ્યતાવના	23/08/2021	Dr. Gajendra Panda (+91 70691 59016) Dr. Manubhai Parmar (+91 70167 67500) Dr. Girish Solanki (+91 98790 26573)
Are you living a digital life?	9/08/2021	Karan Shah, CEO, IIDE, Mumbai
Data Analysis and Manipulation in Research: Use of Python and other tools	20/09/2021	Dr. Harshad B Bhadka, Dean of Computer Science, C. U. Shah University, Wadhwan City. Gujarat. India.
Fundamentals of Digital Analytics	25/09/2021	Mr. Nidhal Firoze, Digital Analytics Consultant, Info Trust
Data mining and its concepts	21/10/2021	Mr. Harshal Sanghvi, Ph.D. Student Florida Atlantic University, USA
National Conference on Present Day Biology: Recent Advancement in Biological sciences	10-12-2021 and 11-12-2021	Department of Biochemistry Biotechnology, St. Xaviers College, Ahmedabad
A guest lecture on Mathematical Musings on Ramanujan's Pi	22-12-2021	Shivam Patel, Masters student at Carnegie Mellon University in USA



Name of the Capacity Development and Skill Enhancement Programme	Date of Implementation	Name of the Agencies / Consultants involved with contact details (if any)
TCS Expert Session on Machine Learning and its real-life real case in the field of fraud & money laundering detection	13/01/2022	The resource person Dr. Manoj Apte is a senior scientist at TCS in the area of Machine Learning. The expert session was offered to other colleges offering MSc. Programme in Big Data Analytics
Webinar on Artificial Intelligence and Machine Learning	28/01/2022	Mr. Akash Shastri Founder/CEO of Brainasoft
Microscopy and Spectroscopy: indispensable tools in Biological Research	29/01/2022	Dr. Joydedeep Goh, IPR, Gandhinagar
Landscaping and Horticulture	9/02/2022	Ayushi Maheshwari (Owner, Amaltas Landscape, Ahmedabad) The webinar was jointly organized with St. Xavier's College Ranchi and St. Xavier's College, Ahmedabad
SPSS	5-02-2022, 12 -02-2022 and 19-02-2022	Hita Rathore, CludoNuro India Pvt. Ltd.
Webinar on Current Innovative Trends in New Normal	12/02/2022	Dr. Sailesh Iyer, Proffesor and Dean, CSIT Dept. Rai school of engineering, Rai university
NIH ImageJ - An open-source, versatile, customizable scientific imaging software for the biological sciences	19/02/2022	Dr. Wilfred Pinto, Consultant in US
Webinar On "Conservation Of Dugongs and their Habitats in Gulf of Kutch Gujarat"	23/02/2022	Ms. Prachi Hatkar, Wildlife Institute of India. +919892327417



Name of the Capacity Development and Skill Enhancement Programme	Date of Implementation	Name of the Agencies / Consultants involved with contact details (if any)
EcoFest (Cognizance) 2022	4-03-2022 and 5-03-2022	Prof. Viswanath Pingalli, IM, Dr.Dhruv Gupta, IPS
Panel Discussion on Union Budget - 2022	21/03/2022	Faculty Members, ST. Xaviers College, Ahmedabad
A Special Lecture on Mathematical Models in Applied Sciences	01-04-2022	Dr. Sandip Banerjee, faculty in the Department of Mathematics, IIT Roorkee
Trusha Ek Prayas	27/04/2022	Jivdaya Trust: Ms Moumita- +918758207778
Astronomica Event-1: The Jupiter-Venus Conjunction	1/05/2022	Kishan Malaviya, Heet Joshi, St. Xavier's College, Ahmedabad
Two-day workshop on Fundamentals of Stock Market	02-05-2022 & 03-05-2022	Mr. Jatin Bhatia

Annexure-15 :

Name of the Activity conducted by the HEI to offer Guidance / Coaching for Competitive Examinations during the year.

Name of the Activity	No. of Students who Attended / Participated
7th State Level Workshop "Problem Solving and Enrichment in Mathematics"	61
Scope and opportunities in the Field of Statistics	32
Career Awareness Program	37
"MBA – A Leader's Path"	238



Name of the Activity	No. of Students who Attended / Participated
Madhava Nurture Camp-2021	52
Webinar on Opportunities after Graduation	86
Placement: Company Name: DataVizz, Date of placement activity:24th Sept 2021- 28th Sept 2021, Venue: It was conducted online	16
Placement: Company Name: DeSoto Technologies, Date of placement activity:23 oct 2021, Venue: DeSoto Technologies, Ahmedabad	17
Placement: KMK Consulting Inc, Vadodara; Date of placement activity: 29th Sept to 4th Oct 2021; Venue: It was conducted online	23
Tips to Crack an Interview and Study Abroad	25
Career and Startup opportunities in Digital Design and Emerging Technology	20
IIT-JAM	10
Innovation-Challenges & Perspective	55