



# उड़ान

*Life Changing Samarpan*

VOLUME :6 / 2022-23



Gandhinagar Charitable Trust  
Samarpan Education and Research Campus

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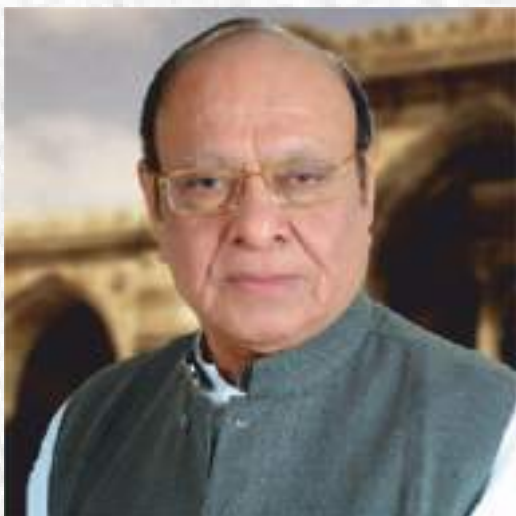


**Dr. Raji Dennis**  
Principal,  
Samarpan Science &  
Commerce College



**Dr. P.K. Pandya**  
Principal,  
Samarpan School of Law





## MESSAGE FROM BAPUSHRI

It gives me immense pleasure to convey my best wishes and blessings on publication of Annual Magazine UDAAN, 2023-24. College Magazine always portrays thoughts, ideas, dreams and creativity in young minds and it is the platform that provides exposure and freedom to express their views. As the saying goes “Teamwork makes

the Dreamwork”. The need for quality education has never been so acute than it is today. Understanding this need of the time, Gandhinagar Charitable Trust, established in 1996, has gone a long way in promoting quality education through its various endeavors. Publication of annual Magazine UDAAN is an illustration of such endeavours. This annual magazine is a medium to showcase the growth of the Institution year after year. The Annual Magazine not only presents the report of the college activities, but it is also a forum for the students and the staff to demonstrate their learning and exhibit their literary talents.

The campus boast, state-of-the-art infrastructure, featuring fully equipped laboratories, a highly qualified faculty, a modern computer lab with internet access, a well-stocked library, and indoor-outdoor game facilities. Additionally, amenities such as a canteen and seminar hall contribute to creating a conducive environment for both academic and recreational pursuits. These facilities are not only designed to enhance the students recreational experience but also to prepare them to meet the challenges and competition they may encounter in their academic and professional lives.

I take this opportunity to congratulate and to bless the entire team for every effort to improve the existing services, to bring out the best for the welfare of campus and the growth of students.

**Shri Shankersinh Vaghela**

Chairman

Samarpan Education and Research Campus



## MESSAGE FROM **SHRI MAHENDRASINH VAGHELA**

Samarpan Education and Research Campus

For decades, Gandhinagar Charitable Trust has been dedicated to imparting education with a vision focused on fostering the growth and multi-dimensional development of our students, to make them confident and independent educated citizens through various teaching-learning models.

Our campus culture allows students not only to face the present day challenges but also individual responsibilities to the society and to the nation at large. The service of the Campus in creating personally mature, professionally equipped and service-oriented graduates is really worth mentioning. We strongly believe in academic excellence and do not compromise on teaching standards or discipline. These three things are the springboards on which we operate.

Our campus magazine, “UDAAN”, serves as a vibrant manifesto, providing students with a canvas to showcase their creative prowess, fostering originality and a sense of national identity. Within its pages, the magazine mirrors the splendid creativity, thoughts, and imaginations that our students possess. The myriad activities and achievements listed therein serves as a vivid illustration of our dynamic campus—a place that extends boundless opportunities to students, facilitating their holistic development.

I convey my sincere felicitation to stakeholders of the Samarpan Science and Commerce College, Samarpan School of Law, faculties of MLT for combined efforts in shaping the young minds and developing them to blossom as a responsible citizen.

**Shri Mahendrasinh Vaghela**  
Trustee  
Samarpan Education and Research Campus



## MESSAGE FROM THE REGISTRAR

Samarpan Education and Research Campus

It brings me great joy to observe that “UDAAN”, the annual magazine of Samarpan Education and Research Campus, serves as a comprehensive platform, beautifully encapsulating the year-long departmental activities and the commendable progress achieved by our students.

Recognizing that learning is a perpetual journey, extending from the very inception of life until its culmination, this magazine stands as a testament to the continuous and enriching educational experience within our community.

This Magazine provides a platform for every student to develop their learning skills.

As you peruse the pages, a journey through the annual magazine “UDAAN” will illuminate you with the significant milestones achieved by our campus in the past year. Beyond mere achievements, the magazine serves as a canvas where our budding talents have creatively articulated their thoughts, ideas, hopes, feelings, aspirations, and convictions. Our dedicated faculty members continually engage in seminars, workshops, and symposiums to enhance the skills necessary for academic and professional growth.

This magazine is intended to serve not just as a documentation of our achievements but also as a valuable guide. It should prove beneficial for both the faculty and the upcoming batches of students, aiding them in selecting activities aligned with their interests for future career development.

I congratulate all Principals, Vice Principal, Teaching and non teaching staff, editorial team and students of Samarpan Education and Research Campus for bringing this edition of UDAAN Magazine 22- 23 . Wishing you all the best.

**Dr. M. D. Pande**

Registrar

Samarpan Education and Research Campus





## MESSAGE FROM **THE PRINCIPAL**

Samarpan Education and Research Campus

Greetings to all!

Under the stewardship of the Gandhinagar Charitable Trust, our Science and Commerce College has been proudly affiliated with Gujarat University since June 2015. Nestled within the verdant expanse of Gandhinagar, the capital of Gujarat, our sprawling green campus provides a conducive environment for academic growth.

As our name, Samarpan, implies, we are dedicated to the unwavering commitment of advancing the education of young minds. At Samarpan, we pledge to empower aspiring youth with state-of-the-art infrastructure, enriching academic experiences, and all the necessary tools to realize their life goals. Our devoted team of educators is committed to preparing students for their future endeavours.

In both the Science and Commerce disciplines, our faculties go beyond traditional roles. They serve as mentors, guiding students to develop competence and skills essential for both daily life and professional pursuits. Emphasizing research and analysis, we equip students to face future challenges while nurturing a vibrant spirit of inquiry.

With an unwavering commitment to instil nationalism and mould disciplined, responsible citizens, our campus houses a robust NCC. Committed to positive community service, selflessness, and human concern, our NSS remains dynamically active. In our pursuit of excellence, we harness the collective efforts of our expert faculty, ensuring students cultivate research acumen, stay globally relevant, and remain socially sensitive and responsible.

On our journey of excellence, we ensure the best efforts from our expert faculty members. We orient students to develop research acumen, staying relevant in the global marketplace while providing exposure and fostering social sensitivity and responsibility. We extend our gratitude to all contributors and welcome those eager to strengthen and contribute to our shared objectives. This magazine stands as a tangible manifestation of the collective endeavours made by the college community.

**Dr. Raji Dennis**

Principal

Samarpan Science and Commerce College



## MESSAGE FROM THE PRINCIPAL

Samarpan Education and Research Campus

We at Samarpan School of Law aim to prepare the students for the real world of practicing Law. It also aims to prepare the students to be competent and principled legal professional and leaders of this country in the field of advocacy, judiciary, legal consultancy, corporate law,

management, law teaching etc. I want to say a few words about this institute.

The college has nice campus with all sophisticated modern technologies to impart teaching to the students of our educational programme. The college is committed relationship between legal education and society.

Its adage of the college to focus on the indepth learning about the legal concept and dictions and procedural law.

It is the vision of the institute to sensitize the student for social justice to the disadvantaged of the society.

The Samarpan School of Law stresses on the teaching methodology which unpacks and acquaints the students with the notion of “thinking like a lawyer”. The faculty members play a crucial role in building students’ abilities to think analytically, stimulate critical and rigorous thinking in their teaching so as to develop lawyers of tomorrow who possess moral conviction, social compassion and professional competence.

It is my firm belief that harmonious development of the society can be achieved by enlightenment of the individual heart, mind and soul. This has become a pre- requisite in today’s fast changing world where material gains have outplaced basic human values. I am of the firm opinion that legal education being a powerful instrument of socioeconomic change can transform the attitude, thinking and lifestyle of the people and society.

**Dr. P. K. Pandya**  
Principal  
Samarpan School of Law





# SAMARPAN SCIENCE AND COMMERCE COLLEGE



## FACULTY DETAILS

### MATHEMATICS



**Dr. Maitri Sutaria**  
Assistant Professor



**Mr. Bhalchandra Parmar**  
Assistant Professor



**Ms. Shweta Bharwad**  
Assistant Professor

### MICROBIOLOGY



**Dr. Margi Bhatt**  
Assistant Professor



**Ms. Hiral Surti**  
Assistant Professor



**Ms. Hiral Ved**  
Lab Assistant

### BOTANY



**Mr. Amit Vaishnav**  
Assistant Professor



**Mr. Shubh Patel**  
Assistant Professor

### ENGLISH



**Dr. Rasik Tanna**  
Vice-Principal



# SAMARPAN SCIENCE AND COMMERCE COLLEGE



## FACULTY DETAILS

### CHEMISTRY



**Mr. Chintan Patel**  
Assistant Professor



**Dr. Jaydeepsinh Vaghela**  
Assistant Professor



**Ms. Saloni Joshi**  
Assistant Professor



**Mr. Bhavik Patel**  
Assistant Professor



**Mr. Rajendra Sharma**  
Lab Assistant

### PHYSICS



**Mr. Bhargav Patel**  
Assistant Professor



**Mr. Rushirajsinh Jadeja**  
Assistant Professor



**Ms. Ketu Patel**  
Assistant Professor



# SAMARPAN SCIENCE AND COMMERCE COLLEGE



## FACULTY DETAILS

### COMMERCE



**Ms. Salma Ganchi**  
Assistant Professor



**Ms. Juhi Darji**  
Assistant Professor



**Ms. Heer Shah**  
Assistant Professor



**Ms. Bhoomi Thakkar**  
Assistant Professor



**Ms. Rucha Purohit**  
Assistant Professor

# COMMERCE





# SAMARPAN SCHOOL OF LAW



## FACULTY DETAILS



**Mr. Anmol Singh**  
Assistant Professor



**Dr. Satnam Kaur Tuteja**  
Assistant Professor



**Ms. Suganya Seenivasan**  
Assistant Professor



**Mr. Bhavik Pandya**  
Assistant Professor



**Mr. Kuldip Rana**  
Assistant Professor



**Mr. Jitendra Tiwari**  
Visiting Faculty



# SAMARPAN INSTITUTE OF VOCATIONAL COURSES



## FACULTY DETAILS



**Ms. Urvashi Pandya**  
Assistant Professor



**Mr. Jaspalsinh Rathod**  
Assistant Professor



## ADMIN STAFF DETAILS



**Dr. Captain Joseph**  
Admin Assistant



**Mr. Surendrakumar Vaghela**  
Librarian



**Ms. Pragnya Chauhan**  
Accountant



**Mr. Ravindrasinh Vaghela**  
Lab Assistant



**Mr. Bharatsinh Chavda**  
Office Assistant



**Mr. Harsiddhsinh Vaghela**  
Office Assistant



**Mr. Indravijaysinh Zala**  
Office Assistant



**Mr. Chiragbhai Barot**  
Electrician



**Mr. Mehul Parmar**  
Peon



**Mr. Vijaysinh Vaghela**  
Peon



**Mr. Hasmukhsinh Chavda**  
Peon



**Ms. Chandrikaben Shah**  
Peon



**Ms. Rekhaben Vaghela**  
Peon



**Ms. Bhuriben Nayka**  
Peon





# INDEX



CONTENT	Writer	Page No.
● CAMPUS DETAILS		1
● SAMARPAN SCIENCE AND COMMERCE COLLEGE		3 - 6
→ CURRICULAR ACTIVITIES		7 - 16
→ CO-CURRICULAR ACTIVITIES		17 - 27
→ NCC		28 - 30
→ NSS		31 - 39
→ CULTURAL		40 - 49
→ SPORTS		50 - 51
→ CWDC		52 - 53
→ NEWS ARTICLES		54 - 55
→ AWARD CEREMONY FOR ACADEMIC EXCELLENCE		56 - 57
→ SPECIAL ACHIEVEMENTS		58 - 61
→ FACULTIES CORNER		62 - 64
→ STUDENTS CORNER		65 - 76
→ STUDENTS ART		77
→ FACULTY ACHIEVEMENTS		78 - 79
● SAMARPAN SCHOOL OF LAW		80 - 85
→ FACULTY CORNER		86 - 93
→ MEDIA GALLERY		94

# Campus Details

## Total Construction area of Campus

Sr. No.	Particular	Construction (Sq.Mtrs)
1.	A-Wing	1280.55
2.	B-Wing	1280.55
3.	Admin-Wing	944.97
4.	Total	3506.07

## Samarpan Science and Commerce College & Law Facilities Available in Campus (B - Wing)

Sr. No.	Particular	Numbers
1.	Class Rooms	20
2.	Laboratories	8
3.	Computer Lab	2
4.	Library (Central)	1
5.	Principal Chamber	1
6.	Staff Room	1
7.	Moot Court	1
8.	Conference Hall	1
9.	Student Section	1
10.	Water Cooler with RO	4

## Samarpan Arts and Commerce College Facilities Available in Campus (A - Wing)

Sr. No.	Particular	Numbers
1.	Class Rooms	24
2.	Computer Lab	1
3.	Girls Room	1
4.	Library	1
5.	Principal Chamber	1
6.	Staff Room	1
7.	Conference Hall	1
8.	Student Section	1
9.	Water Cooler with RO	1

## Courses Offered

Name of Institute	Medium	Stream	Courses
Samarpan Science and Commerce College	English	Science	1. Chemistry 2. Physics 3. Mathematics 4. Microbiology 5. Botany
Samarpan Science and Commerce College	English	Commerce	1. Ad. Acc. & Aud. 2. Ad. Statistics
Samarpan School of Law	English	Law (3 years)	Law
Samarpan Institutes of Vocational Courses	English	MLT	Technologist
	English	MLT	Technician

# DEPARTMENT OF COMMERCE

The main aim of the Faculty of Commerce is to offer superior quality, affordable & professional education with view to build graduates with high ethical & leadership qualities. The faculty offers programmes in Accountancy, Finance, Business Administration, Business Economics, Human Resource Management, Marketing Management and Entrepreneurship etc. In a competitive environment in general graduates are expected to be competitive with wide range of knowledge, skill & attributes.

Therefore, Faculty of Commerce intends to enlighten undergraduates to be in right endeavor by developing their distinct competencies with human values & professionalism which led them to be successful, globally employable & entrepreneurial graduates in the dynamic environment. Department of Commerce thus emphasis on overall development of student for that we provide various daily activities and some weekly activities and number of interclass competitions with their regular curriculum. Faculty of Commerce is fully equipped with a wide range of latest technology tools including Smart class, Computer lab and well equipped library. The Faculty welcomes you all for joining the faculty for achieving your goals.

## Departmental activities:

- Lectures by eminent professors
- Seminars
- GST Certificate Course
- Career Guidance and Counselling
- Industrial visit and Educational tour



# DEPARTMENT OF SCIENCE

## DEPARTMENT OF PHYSICS

Physics is a natural science that involves the study of matter and its motion through space and time, along with related concepts such as energy and force. Physics aims to describe the function of everything around us, from the movement of tiny charged particles to the motion of people, cars, and spaceships. In fact, almost everything around you can be described quite accurately by the laws of physics. The study of physics is capable of making significant contributions through advances in new technologies that arise from theoretical breakthroughs. In architecture, physics is at the heart of structural stability and is involved in acoustics, heating, lighting, and the cooling of buildings. Physics has many applications in the biological sciences. On the microscopic level, it helps describe the properties of cell walls and cell membranes.

## DEPARTMENT OF CHEMISTRY

Chemistry is the branch of science concerned with the substances of which matter is composed, the investigation of their properties and reactions, and the use of such reactions to form new substances. The atom and molecules are the basic unit or components of Chemistry. The study of chemists is always interested in identifying and knowing how the chemical transformation occurs. It plays an essential role in science and plays a central role in daily life activities. Chemistry also acts as a major determinant in meeting the human needs for food, healthcare products, and also other materials that are aimed at improving the life's quality. Chemistry department was fully equipped laboratories as well as well qualified faculty members. Chemistry department offered under graduation program. Chemistry subject is the scientific discipline involved with compounds, elements, atom, molecules and ions.

## DEPARTMENT OF MATHEMATICS

Mathematics has played vital role in the civilization of the human being. Not a single field can be explored without Mathematics. Every field is in need of Mathematics like Engineering, Medical, Space Science, Aeronautical Engineering, Pharmacy and other common field. The world has progressed with the help of Mathematics from the emergence of mankind. In the current trend of smart world technology basic applications of Statistics and Discrete Mathematics can help students easily deal with artificial intelligence and machine learning. To provide stimulating learning environment that allow students to deliver full potential within and way beyond the classroom, we arrange expert lecture that fills gap between academic curriculum and real life problems.



Presentation of Mathematical models in Science day competition that topics often turn out to have applications, e.g. number theory in cryptography. Seminar in class leaves remarkable effect on pursue of teaching career. We provide classrooms equipped with projector. The scope and opportunities in job sector and further studies: Degree of Mathematics would also allow you to work in Data and Mathematics, actuarial sciences that provides you wide opportunity to get international studies. Degree of Mathematics also provides scope in finance and designated Government jobs.

### **DEPARTMENT OF MICROBIOLOGY**

Microbiology is the study of cellular and cellular microscopic organisms that are too small to be seen by unaided eye. One way or another, microorganisms affect and support all other forms of life, and therefore microbiology can be considered the most fundamental of the biological sciences. B.Sc. Microbiology offers broad range of core and interdisciplinary papers that include introduction to microbiology and biochemistry, virology and metabolism. Besides, students get also an opportunity to study skill enhancement papers. This course not only imparts students with an in-depth knowledge of the subject, but enables them to gauge the huge possibilities and practical application of microorganisms in Microbial quality control in food and pharmaceutical industries, Microbial diagnosis in health clinics, bio fertilizers and bio pesticides.

Department of Microbiology provide up-to-date and holistic theoretical and practical training for the B.Sc. students. The Microbiology laboratory is equipped with colorimeter, UV visible Spectrophotometer, Incubator, Rotatory Shaker, Microscopes and Autoclave etc. On completion of this course, students may pursue master's degree in microbiology and other interdisciplinary courses such as biotechnology, biochemistry, lifesciences, forensic sciences, biomedical sciences, bioinformatics, genetics, plant molecular biology etc. Students may carry forward their research in various universities and institutes in India and abroad. Course offers a broad spectrum of jobs in various pharmaceuticals and related companies.

### **DEPARTMENT OF BOTANY**

Department of Botany, is a vibrant hub of exploration where the marvels of the plant kingdom come to life. Botany, as the scientific study of plants, unravels the intricate beauty and importance of the green world around us. It is the scientific study of plants, encompasses the intricate details of their structure, growth, and ecological interactions. Our B.Sc. Botany program offers a diverse range of courses, providing students with a comprehensive understanding of plant biology.

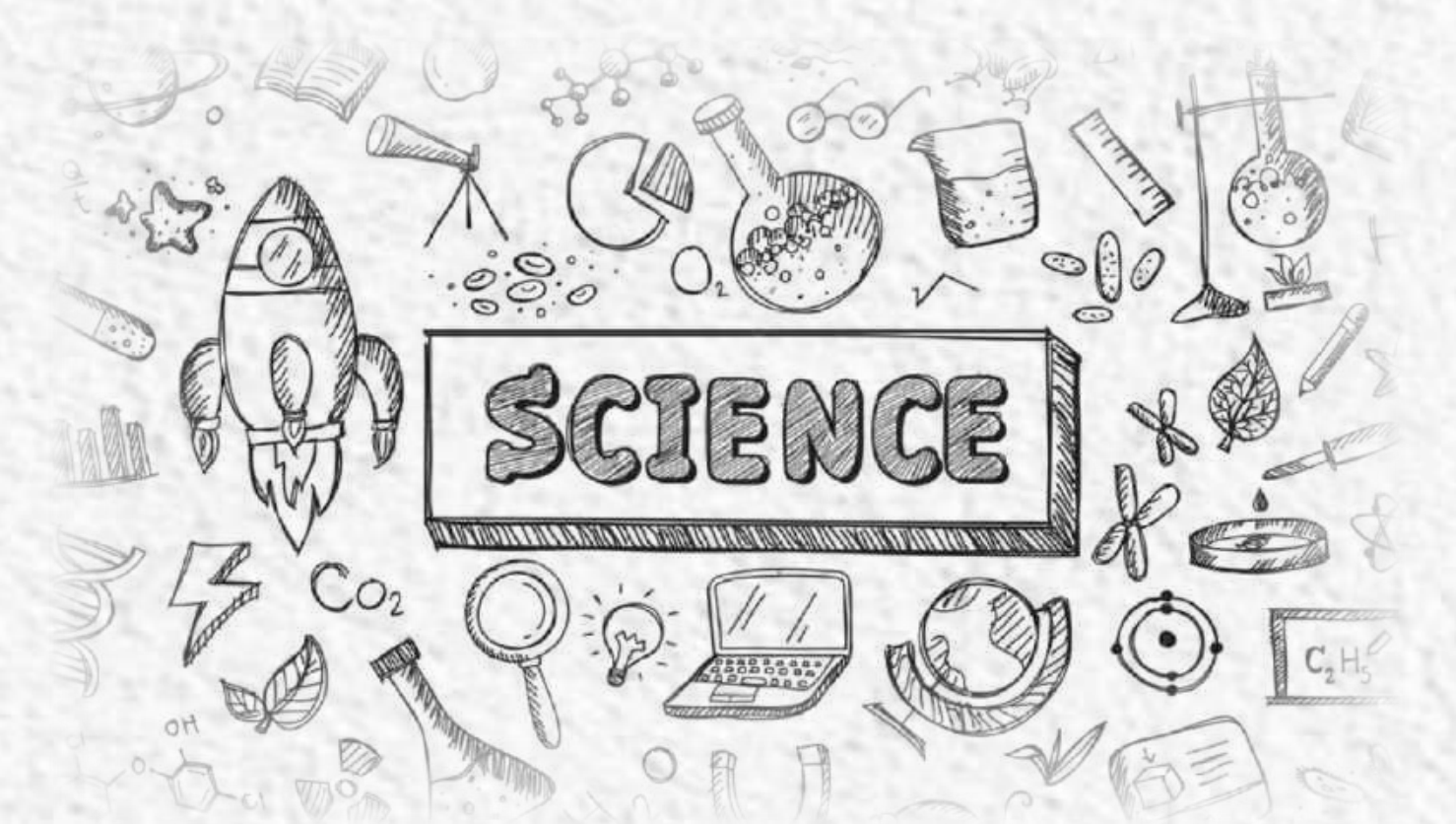
Our B.Sc. Botany program is crafted to instill a deep understanding of plant life, from their cellular structures to their ecological roles.

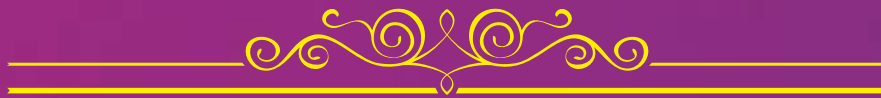
Through engaging lectures, hands-on laboratory work, and field studies, our students delve into the fascinating world of plants and their vital role in sustaining life on Earth. From plant anatomy and physiology to taxonomy and ecology, our curriculum is designed to nurture a deep appreciation for the diversity and significance of the plant kingdom.

Our department is committed to fostering a love for botany and preparing students for a myriad of career paths, including research, environmental conservation, agriculture, and beyond. Join us on this botanical journey, where every leaf holds a story and every flower reveals the secrets of nature

**Departmental activities:**

- Lectures by eminent professors
- Seminars
- Science Exhibitions
- Workshops
- Institutional visits and industrial tours





**Samarpan Science & Commerce College**



**CURRICULAR ACTIVITIES**





# B.Com/B.Sc. SEMESTER 1 ORIENTATION

An orientation programme was arranged to welcome the new batch of Commerce and Science students on July 30, 2022, and September 1, 2022. The primary objectives of these induction programmes were to acquaint students with their new phase of college life, aid individuals from diverse backgrounds in adapting to it, and instill in them the institution's values and ethos.



# GUEST LECTURE OF GURU CHELA APP



The Department of Microbiology hosted an expert talk on "The Guru Chela App" on September 1, 2022. The objective of this guest lecture was to comprehend the workings of the "Guru Chela Start-up," allowing students to understand its features and potential opportunities it offers for their academic and professional advancement in the field of Science.



**Dr. Dharmesh Adharyu**

Assistant Professor | Developer of Guru Chela App  
Government Science College, Gandhinagar

Dr. Dharmesh Adharyu, Assistant Professor of Microbiology at Government Science College, Gandhinagar, graced the event and encouraged students to download the Guru Chela App. This initiative aims to empower students by connecting educators and students on a common platform in their pursuit of knowledge and growth in the field of science.





## EXPERT TALK BY DEPARTMENT OF COMMERCE ON VALUATION OF GOODWILL

On July 11, 2022, an expert talk on "Valuation of Goodwill" was organized for the commerce students. Dr. Pratibha Nair, an Assistant Professor from Government Commerce College, Gandhinagar, was invited as the expert speaker. During the session, she imparted valuable knowledge to students on complex concepts such as market assets, super profit calculation, fictitious assets, and more. This insightful event aimed to broaden students' understanding of goodwill valuation and its significance in the field of commerce."



**Dr. Pratibha Nair**

Assistant Professor

Government Commerce College, Gandhinagar

# EXPERT LECTURE BY DEPARTMENT OF MICROBIOLOGY ON PRINCIPLE OF IMMUNOLOGY



The Department of Microbiology organized an expert lecture titled "Principles of Immunology" on September 6, 2023. Dr. Kiran Deshmukh, Principal of Shri P. H. Goswami Municipal Arts and Science College in Kalol, Gujarat, graced the event as the invited expert. Dr. Deshmukh elucidated the theories of immunology and encouraged students to delve deeper into this subject. He also emphasized the practical applications of immunology in students' daily lives. This lecture served to enrich the students' understanding of immunology and its real-world significance.



**Dr. Kiran Deshmukh**  
Principal  
Shri P. H. Goswami Municipal Arts and Science College,  
Kalol





# EXPERT LECTURE BY DEPARTMENT OF MATHEMATICS ON POSTULATES IN GEOMETRY



“The Department of Mathematics organized an expert lecture on the topic of "Some Postulates in Geometry." The informative session was conducted by Dr. Bhavin Patel, Assistant Professor at Government Science College, Gandhinagar, who has extensive expertise in the field of mathematics. During the lecture, he elucidated fundamental geometric postulates, providing students with a deeper understanding of the subject. This event aimed to enhance students' comprehension of geometry, a vital branch of mathematics, and foster a passion for mathematical exploration.



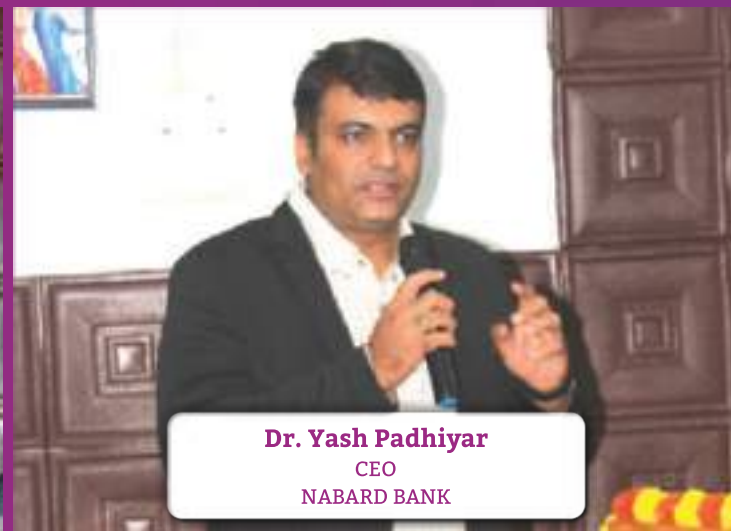


# GUJCOST STATE LEVEL MUSHROOM CULTIVATION WORKSHOP

A two-day state-level workshop on “Mushroom Cultivation” was conducted by the Microbiology Department on February 2, 2023. The workshop drew more than one hundred and thirty participants from various colleges across Gujarat. The workshop provided participants with hands-on experience on mushroom cultivation and to illustrate comprehensive understanding of mushroom cultivation in a scientifically sound manner, which could lead to promising employment opportunities. This event aimed to bridge the gap between theoretical knowledge and practical skills, equipping participants for potential careers in the field.



**Dr. Rakeshkumar Jaiman**  
Assistant Professor  
Dantiwada Agriculture University



**Dr. Yash Padhiyar**  
CEO  
NABARD BANK



**Dr. Kamleshkumar Shah**  
Assistant Professor  
R. G. Shah Science College, Vasna



# INAUGURAL CEREMONY OF GST CERTIFICATE COURSE

For students to sharpen their practical abilities and in born talents, the Department of Commerce offered a GST course. On January 17, 2023, this course was officially launched in the presence of Ms. Tina Patel from Persist IT services and Ms. Nikita Panchal, Chief Accountant, BGKV. Thirty-two students had signed up for the course. With their warm words, both guests inspired the students.





# EXPERT LECTURE BY DEPARTMENT OF MATHEMATICS

Department of Mathematics, hosted expert lecture entitled as “Number Theory” on January 24, 2023. Dr. Narendra Shrimali, Associate professor, Department of Mathematics, Gujarat University was invited as an expert. The lecture was structured to include broad range of mathematical areas like number theory, including analytic and algebraic number theory, algebra, combinatorics, algebraic and arithmetic geometry, cryptography, representation theory, and more.

EMATICS



**Dr. Narendra Shrimali**  
Associate Professor  
Gujarat University

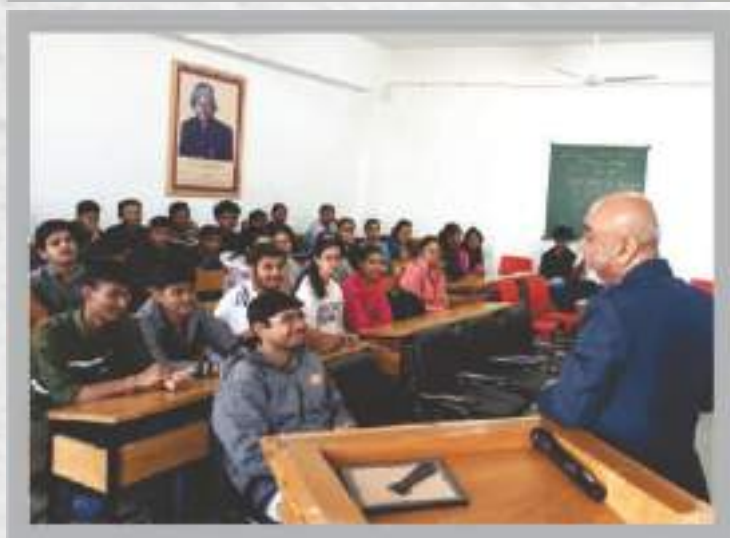
MATH





# EXPERT LECTURE BY CHEMISTRY DEPARTMENT

Chemistry Department, Samarpan Science and Commerce College conducted an expert talk on “Spectroscopy” on January 30, 2023, for the students of B.Sc. Chemistry. Dr. Vikram Panchal, Associate Professor, R.G. Shah Science College Ahmedabad was invited as the Guest. The objective of this expert talk was to motivate the students to learn innovative ideas regarding Spectroscopy. In simple words, it is the study of colours as generalized from visible light to all the bands of the electromagnetic spectrum.



**Dr. Vikram Panchal**  
Associate Professor  
R.G. Shah Science College, Ahmedabad



# EXPERT LECTURE ON “PHYSICS USES IN DAILY LIFE”

PHYSICS



**Dr. Arvind Saxena**  
Assistant Professor  
Gujarat Arts and Science College, Ahmedabad

The Physics Department at Samarpan Science and Commerce College organized an Expert Talk on "The Applications of Physics in our Daily Lives" on January 30, 2023. Dr. Arvind Saxena, Assistant Professor from Gujarat Arts and Science College, Ahmedabad, was invited as the expert speaker.

The primary aim of this lecture was to raise awareness among students about the wide-ranging applications of physics in our daily lives. Physics plays a vital role in explaining the motion, forces, and energy in our everyday experiences. It is the science behind activities like walking, driving a car, or using a phone. A solid understanding of physics is not only beneficial in scientific contexts but also in various everyday situations, enriching our lives with valuable insights.





**Samarpan Science & Commerce College**



**CO-CURRICULAR ACTIVITIES**





# TEACHERS' DAY CELEBRATION 2022

# TEACHER'S DAY



Dr. Sarvepalli Radhakrishnan's enduring commitment to teaching remained a constant thread throughout his life, regardless of his myriad accomplishments and contributions. On September 5th, 2022, as a tribute to the extraordinary Guru-Shishya relationship, around thirty students took on the role of students-educators, concurrently grasping the significance of teachers in shaping the lives of students.



## SCIENTOON COMPETITION : MICROBIOLOGY

To mark "The International Microorganism Day" on September 20, 2022, the Department of Microbiology organized the Scientoon Competition. The primary aim of the competition was, to discover and nurture students' talents, harness their skills in the field of microbiology. It also helped to teach them to appreciate science through enjoyable activities such as "Scientoons".



# MICROBIOLOGY



# WILDLIFE WEEK

To commemorate India's 68th National Wildlife Week, a "Poster Making Competition on "Mushroom" was organized on October 11, 2022, in collaboration with Vanshree Trust, Gandhinagar. The aim of this event was to raise awareness among students about the significance of our nation's rich flora and fauna. Through painting and designing posters, students not only showcased their artistic talents but also gained a deeper understanding of the importance of promoting, conserving, and protecting our precious natural resources.





## INDUSTRIAL VISIT

On September 28, 2022, Samarpan Science and Commerce College conducted an Industrial Visit to Madhur Dairy which is situated in Sector 25, Gandhinagar. The significance of such industrial visits cannot be overstated, as they offer students a unique opportunity to gain practical insights into the operational mechanisms and management intricacies of the dairy industry. These experiences are invaluable, bridging the gap between classroom learning and real-world application, thus preparing our students for the challenges of their future careers.





# IELTS WORKSHOP

In collaboration with HYTECH Gandhinagar, The career counseling committee organized a one-day IELTS session on Friday, September 2, 2022. The main goal of this workshop was to offer accurate information about IELTS (International English Language Testing System) and its assessment policies. The session was designed to enhance participants' understanding of IELTS and equip them with the knowledge required to succeed in the exam. This initiative was aimed at empowering students to excel in the IELTS examination.



**Mr. Sunil Trivedi**  
Hytech Education  
Ahemdabad



## PERSONALITY DEVELOPMENT PROGRAMME

In collaboration with VIBGYOR, Gandhinagar, The career counseling committee organized a personality development program on September 6, 2022. Ms. Kesha Patel and Ms. Bhavika Trivedi, educator from VIBGYOR, inspired students with interactive presentations to help them nurture their personal identities. The primary objective of this program was to provide students with the knowledge and skills required to enhance their personality, communication abilities, and overall self-confidence. This event also offered students practical insights and recommendations that they can apply in both personal and professional domains, fostering their personal and academic growth.



**Ms. Kesha Patel and Ms. Bhavika Trivedi**  
VIBGYOR  
Gandhinagar





# STUDENT REPRESENTATIVE COMMITTEE - GS/LR ELECTION

On January 11, 2023, Student Representative Committee conducted an election. Professor J.G. Chauhan from Samarpan Arts and Commerce College conducted the event and provided guidance on the election procedures. The student council was established with the aim of providing students with opportunities to develop their leadership skills by organizing and overseeing college activities. It also aims to create a platform where every student can voice their apprehension, ensuring that their concerns are heard and addressed. This initiative serves to empower students and foster a sense of community engagement.



## MUNDRA TRIP

An industrial education tour to Mundra was organized on January 18th and 19th, 2023. This visit was to the largest private seaport in India, situated on the northern shores of the Gulf of Kutch near Mundra. A total of seventy five students and five staff members participated in this educational excursion. The primary goal of this visit was to acquaint students with the intricacies of import and export procedures, as well as the manufacturing etiquettes followed by specific manufacturing companies. This experience was designed to provide practical insights into the industry and enhance the students' understanding of industrial processes. The hospitality of Adani Group was extraordinary.



**OUR SPECIAL GRATITUDE TO ADANI**



# SAMARPAN DARSHAN

On the occasion of National Science Day, Samarpan Science and Commerce College organized a science exhibition titled "Samarpan Darshan" on February 3, 2023. Science Exhibition serves as a platform for students to demonstrate their talents and creativity by showcasing their understanding of various scientific theories through projects, models, and posters.

In addition to the physical models, students also created visual presentations to elucidate the concepts behind their working models. Dr. Vivek Upasani, Retired Principal of M.G. Shah Science College, was invited as a judge. He diligently questioned each team about their science projects and evaluated them thoroughly, making the event both educational and competitive. The exhibition highlighted the students' ingenuity and scientific acumen.





## COUNSELING SESSION FOR STUDENTS OF TAPASYA SCHOOL



Samarpan Science and Commerce College hosted a college visit for students from Tapasya School on February 9, 2023. The aim of this visit was to familiarize young minds with the curricular and co-curricular activities at the College, provide insights into career opportunities in Science and Commerce, and showcase the Science Exhibition Samarpan Darshan. Approximately One hundred twenty students, accompanied by faculty members from Tapasya School, visited the college campus, making it fun filled and engaging visit for all.



# BUSINESS PLAN PRESENTATION

# B S N S



On February 7, 2023 Department of Commerce organized Business Presentation Plan. This event was conducted under the on-going program of Samarpan Festival. The main aim of this event was to make students ready to compete with the competitive world after their college life. Dr. Raji Dennis, Principal of our college judged our students based on their presentation.

It was very informative and knowledge enriching competition for the participants. Winners were selected based on the evaluation criteria. Students from Semester 2 won the first position, Semester 6 won the second position and from Semester 4 students won the third position.







# **Samarpan Science & Commerce College**



**NCC**





# NCC ENROLMENT PROGRAMME



SM Rajeshkumar, CHM Dharmendra Singh and Corporal Narendra Singh

In the presence of distinguished individuals, including PI Staff from the 2nd Gujarat NCC Sector 15, SM Rajeshkumar, CHM Dharmendra Singh, Corporal Narendra Singh, and Training staff member Mr. Jayveersinh Chavda, along with our respected Principal, Dr. Raji Dennis and CTO Prof. Jaspalsinh Rathod, NCC enrollment program conducted on September 8, 2022. Approximately eighty students enthusiastically participated were selected as cadets. Through their NCC involvement, they will be imbued with the values of discipline, unity, integrity, veracity, and reliability, which will undoubtedly shape their character and enrich their lives.





## NCC PARA DRILL

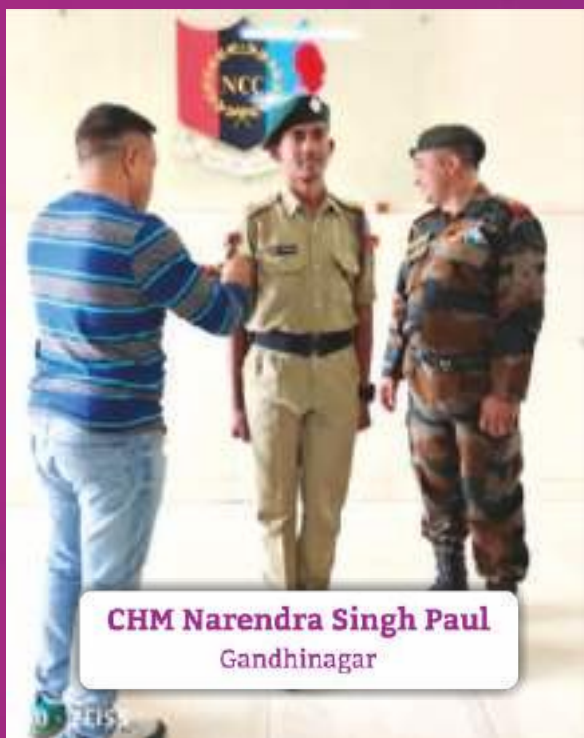
On the Samarpan Science and Commerce College campus, the NCC (National Cadet Corps) Parade is conducted every week regularly. The college has been affiliated with 2 Gujarat Indep Coy, Sector 15, Gandhinagar NCC since 2019 and currently boasts an enrollment of over hundred cadets who are undergoing rigorous training. This training equips them with valuable lessons in self-defence and discipline, fostering their personal growth and character development.





# THE RANK CEREMONY OF NCC CADETS

To instill leadership qualities among NCC Cadets, a “Rank ceremony” was held at NCC Unit, Sector, 15 Gandhinagar on 10th January 2023. NCC cadets were designated with various post such as Senior Under Officer, Under Officer, Sergeant, corporal etc. The rank was awarded by Lt. Col. PS Chauhan in presence of Dr. Rasik Tanna, Vice Principal, Samarpan Science and Commerce College, CHM Narendra Singh Paul and other PI staff of 2, Gujarat INDEP COY, Sector 15, Gandhinagar.







# **Samarpan Science & Commerce College**



**NSS**



# NSS ORIENTATION

On October 14, 2022, the NSS (National Service Scheme) Orientation Program for the freshers was conducted by the NSS Unit. The Chief Guest for the programme was Dr. Natubhai P. Varma, NSS Coordinator at Gujarat University. The purpose of this program was to provide an overview of NSS activities, college NSS unit and its journey so far.



**Dr. Natubhai P. Varma**  
NSS Co-ordinator  
Gujarat University





## TREE PLANTATION AND DISTRIBUTION

On the 21st of June, 2022, the enthusiastic NSS volunteers undertook a commendable initiative focused on tree plantation and plant distribution. During this eco-conscious event, a remarkable total of hundred plants found their new home on earth, thanks to the dedication and environmental stewardship exhibited by our NSS volunteers. Their efforts have left a lasting positive impact on the local environment, contributing to a greener and healthier future





# NSS WORKSHOP

NSS students from Samarpan Science and Commerce College actively took part in the Gujarat University event, entitled as "Visit to Indian Red Cross Society," organized by the Gujarat University NSS Department on October 15, 2022. During this enriching visit, students had the opportunity to explore various facets of the Indian Red Cross Society, including visits to the Orphanage, old age home, Physiotherapy centres, Blood Testing Laboratories, and the affiliated hospital. It was an eye-opening experience for the students, broadening their horizons and fostering a sense of community engagement.



## WORKSHOP AT ESI-SUGHAD

A two-day workshop, tailored specifically for NSS Program Officers, was meticulously organized at the Environment Sanitation Institute in Sughad. This insightful workshop took place on August 24, 2022, and provided a valuable platform for Program Officers to enhance their knowledge and expertise in the field of National Service Scheme (NSS) management.

The workshop delved into a wide array of topics, ranging from the intricacies of NSS program planning to effective community engagement and the cultivation of leadership skills. Distinguished experts and seasoned professionals in the field served as instructors, sharing their wealth of knowledge and experiences with the program officers.

The workshop served as a vital forum for networking and collaboration ultimately strengthening the impact and reach of the NSS program within the community.





# VISIT TO ESI-SUGHAD



On 29th November, dedicated NSS embarked on an enlightening visit to Sughad, where they actively participated in a session centred

2022 a group of volunteers enlightening visit they actively session centred

around the themes of cleanliness and environmental sanitation. This visit was led by Mr. Devendrabhai and Mr. Vinaybhai Trivedi, aimed to equip these enthusiastic volunteers with the knowledge and skills needed to excel in their roles as NSS volunteers.

During the workshop, the volunteers gained valuable insights into the practical aspects of maintaining cleanliness and contributing to environmental sanitation. They learned about effective strategies and best practices that they can apply in their roles, making them well-prepared and motivated to make a positive impact on their communities as responsible NSS volunteers.

**Mr. Vinaybhai Trivedi**

Founder of Youth India Foundation, India

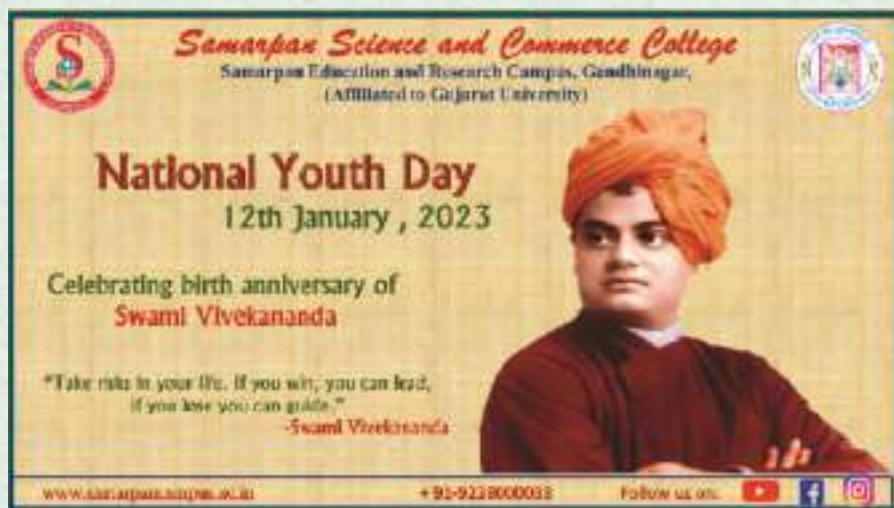




# YOUTH DAY – ESSAY WRITING COMPETITION

The NSS department held an essay writing competition on Swami Vivekanand Jayanti, 12th January 2023, to raise awareness and inspire students with tales from his life.

"Swami Vivekanand as a role model for youth" was the subject matter. Twenty students in all took part in this competition. The winning students' names were Jyoti Yadav, Priyanshu Yadav, and Gaurav Vaghela.





# FIRST-AID TRAINING BY RED CROSS



Samarpan Science and Commerce College organized a "First Aid Training Program" on January 21, 2023, which was attended by both teaching and non-teaching staff. The program featured Ms. Tarnaben Gosaliya, a professional certified trainer from the Red Cross Society in Vadaj, Ahmedabad, as the Chief Instructor. The prime objective of this training program was to provide participants with understanding of the significance of first aid and to equip them with technical skills related to its application. It aimed to enhance their ability to respond effectively in emergency situations, ensuring the safety and well-being of all.



**Ms. Tarnaben Gosaliya**  
Trainer  
Red cross Society, Ahmedabad

## NATIONAL VOTER'S DAY CELEBRATION

The NSS unit of Samarpan Science and Commerce College celebrated National Voter's Day on January 25, 2023. The goal of this event was to promote and enhance voter awareness, especially among new voters, by encouraging them to actively participate in the election process. It was an initiative aimed at fostering a sense of civic responsibility and democratic engagement among students.



## VISIT TO OLD AGE HOME

NSS unit of Samarpan Science and Commerce College organized a Visit to Old Age home named "Kailashdham" on 23rd January, 2023 and celebrated Subhashchandra Bose Jayanti. Main motive of the visit was to make the students to realize the problems and sufferings of the old people when they were sent to old Age. Principal Dr.Raji Dennis, Vice Principal Dr.Rasik Tanna, NSS programme officer prof. Bhalchandra and Prof. Bhargav Patel also visited Kailashdham along with NSS volunteers.





# FOOD PACKET DISTRIBUTION

The NSS unit of Samarpan Science and Commerce conducted a Food Packet Distribution programme on December 23, 2022. The objective of this event was to support people who was suffering from hunger and starvation. NSS unit initiated the idea to distribute food to needy people by raising funds from students and staff. Food packets were purchased and served to poor communities. Activity helped the students to become more responsible towards the society.





**Samarpan Science & Commerce College**



**CULTURAL**





# YOUTH FEST



The Ellisbridge-North Zone Youth Festival of Gujarat University was hosted by our sister institution, Shankersinh Vaghela Bapu Institute of Science & Commerce, on September 13 and 14, 2022. The events intended to expand students' horizons by showcasing their talents and skills, fostering their artistic development. Students from Samarpan Science and Commerce College enthusiastically participated in nineteen different events, securing awards in various competitions such as Garba, tablo, cartooning, classical dance, and poetry recitation.



# NAVARATRI CELEBRATION - 2022



In devotion to the Goddess "Durga," the vibrant and lively festival of "Navratri" was celebrated on the premises of Samarpan Public School on September 30, 2022. The event witnessed the presence of all students, teaching and non-teaching staff from Samarpan Science and Commerce College, Samarpan Public School, and the college's management. The festivities included various Garba dances and traditional "Raas" performances, all carried out with immense passion and enthusiasm. Awards were presented to recognize the best Garba Dance and the most outstanding traditional attire.





# SAMARPAN SANKRANT

With **infective** enthusiasm, Samarpan Science and Commerce College hosted a kite flying event named "Samarpan Sankrant" on January 10, 2023, at the Football ground of Samarpan Public School. The event was honoured by the presence of esteemed Trustee Shree Mahendrasinh Vaghela, Registrar Dr. M.D. Pande, Principal Dr. Raji Dennis and other teaching and non-teaching staff members. Around hundred students enthusiastically participated, enjoying kite flying and indulging in a delicious lunch featuring "Undhiya Puri." The event was a vibrant and joyous occasion for all.





## GANDHI CARAVAN

To pay tribute to Gandhiji for his ideology and dedication to the nation, Bapu Gujarat Knowledge Village organized "Gandhi Caravan" on January 23, 2023. The renowned and popular Hindi playback singer, Ms. Megha Delton, performed melodious songs commemorating Gandhiji's life and his significant contributions to shaping our nation into what it is today. The program served as a meaningful tribute to Mahatma Gandhi's legacy.



## BASANT PANCHAMI

The Basant Panchami was organized at the college entrance by adorning the statue of Goddess Sarasvati with flowers of roses and marigold and offered prayer on January 26, 2023. This event celebrated the significance of the day and aimed to foster a sense of spirituality and reverence among the college community.





# REPUBLIC DAY



**Dr. Rajesh Mehta**  
I/C Principal  
Samarpan Arts and Commerce College

Samarpan Science and Commerce College, along with Samarpan Public School, Samarpan Arts and Commerce College, and Samarpan School of Law and Bapu Gujarat Knowledge Village, came together to jointly host the 74th Republic Day celebration on January 26, 2023. The event featured an NCC Parade, patriotic songs and dance performances. The Chief Guest of the event was Dr. Rajesh Mehta. He also expressed gratitude to all the dignitaries, guests, parents, students, and all the teaching and non-teaching staff for their contributions in making the occasion truly memorable. This Republic Day celebration infused a sense of national pride and unity.





# SAMARPAN FEST- DAYS CELEBRATION

During the week from February 6 to February 10, 2023, a series of events unfolded, including the food fest/chef day, executive day, traditional day, group day, and signature day. These festivities were marked by a blend of enjoyment and valuable lessons, encompassing economic insights, community living, appreciation of Indian culture, and much more.



**EXECUTIVE DAY**



**TRADITIONAL DAY**



**GROUP DAY**



**SIGNATURE DAY**



# FOOD FESTIVAL



Ms. Paramjeet Chhabra



On February 6, 2023, the college played host to a Food Festival specially designed for commerce and science students. The event was graced by Ms. Paramjeet Chhabra, a expert diet planner from Ahmedabad. The fest featured a delectable menu that encompassed snacks, main courses, desserts, drinks, and shakes – all skilfully prepared by the students themselves. The experience left a lasting positive impression, offering students invaluable lessons in teamwork and the spirit of managing a food processing business



## BLACK DAY

On February 14, 2023, the college came together in solemn remembrance to pay heartfelt homage to the valiant CRPF personnel who made the ultimate sacrifice in the Pulwama attack on the same date in 2019. This poignant occasion served as a tribute to the great heroes we tragically lost that day, their courage and dedication forever etched in our hearts and memories.



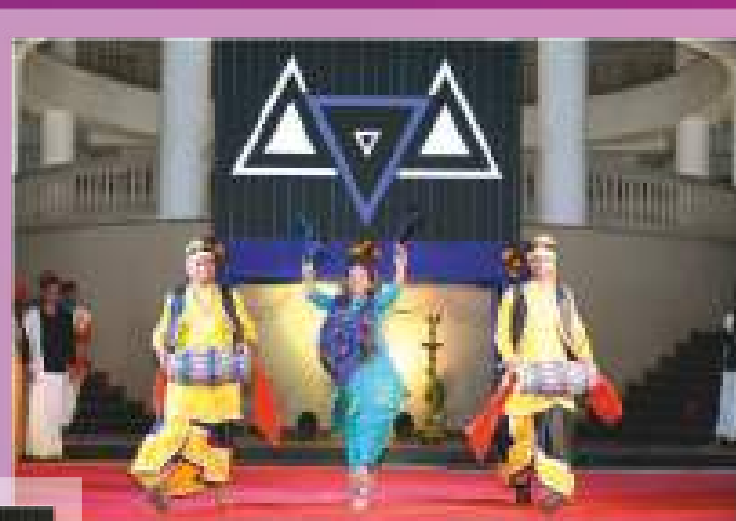
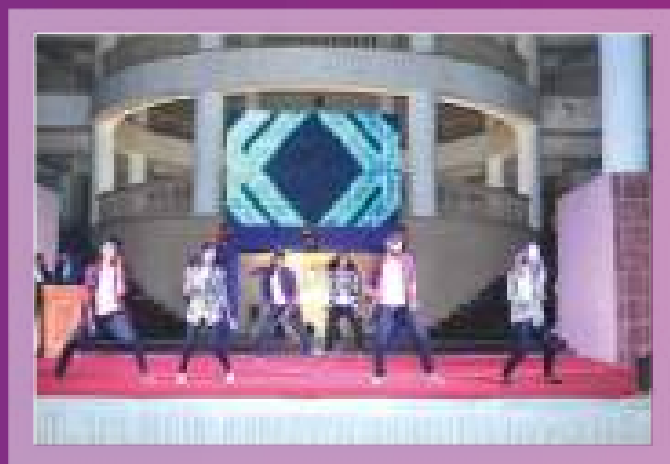
# BLACK DAY





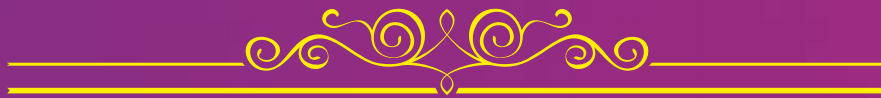
# ANNUAL FUNCTION 2023

Samarpan Science and Commerce College celebrated its grand Annual Function – Sargam 2023 on February 22, 2023. The event was graced by an illustrious lineup of dignitaries, adding to the grandeur of the occasion. Trustee Shri Mahendrasinh Vaghela, esteemed Chief Guest Dr. Subhash Brambhatt, Dr. M. D. Pande, Registrar of Samarpan Campus, Dr. Rajesh Mehta, Principal of Samarpan Arts and Commerce College, Dr. P.K. Pandya, Principal of Samarpan School of Law, and Dr. Raji Dennis, Principal of Samarpan Science and Commerce College joined the event. The event marked a vibrant celebration, with cultural performances, inspiring speeches, and an atmosphere of excitement and enthusiasm. It was a wonderful opportunity for the college community to come together and commemorate the achievements and progress of the institution.









# Samarpan Science & Commerce College



## SPORTS



## SPORTS DAY

Samarpan Science and Commerce College marked its annual sports day with a spirited celebration on February 13 and 14, 2023. The occasion brimmed with enthusiasm and vitality, providing students a platform to display their athletic prowess and engage in healthy competition within a friendly and encouraging atmosphere. A diverse array of outdoor and indoor sports activities was organized to gauge students' physical fitness and unearth their inherent talents. The event received an illustrious guest, Mr. Ujaval Singh, a Pro Kabaddi Gujarat Titans Champion and a proud alumnus of the college.



SPORTS DAY









# **Samarpan Science & Commerce College**



**CWDC**





# CWDC SEMINAR LAKME ACADEMY

The Collegiate Women's Development Cell (CWDC) of Samarpan Science and Commerce College, in collaboration with LAKME Academy in Gandhinagar, organized a workshop on diverse career opportunities within the beauty and wellness sector on September 29, 2022. The primary objective of this workshop was to apprise students about the numerous job prospects available in the beauty and wellness industries, encompassing fields like makeup, haircare, cosmetology, skincare, and nail art. Such initiatives play a vital role in guiding our students towards informed career choices and future opportunities.



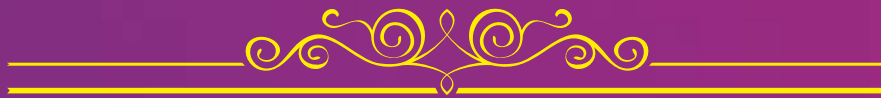
# CWDC

## CWDC POSCO SEMINAR

A seminar entitled as "Different Forms of Violence Against Women" under the aegis of POSCO was conducted on October 17, 2022. The prime goal of this lecture was to inform students about the diverse acts of violence against women. Keynote speakers for the event included Mr. Durgeshbhai Erinpuria, senior advocate, Jayram Soni, retired office superintendent from the Collector's Office, and Dr. Pankaj Pandya. They provided insights of the POSCO Act and emphasized the critical importance for students to comprehend this act, given the severe penalties it imposes on offenders. Such awareness sessions are pivotal in fostering a safe and informed community.



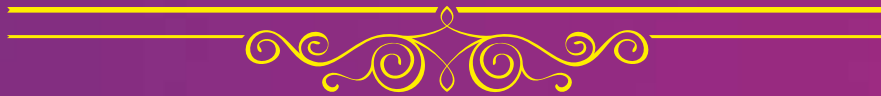




**Samarpan Science & Commerce College**



**NEWS ARTICLES**







સંસ્કૃત

સંસ્કૃતિય વાર્ષિક શાળાવિદ્યાથી ઉજવણી



ગાંધીનગર શહેરના શાળાઓમાં શાળાના સભ્યો દ્વારા સંસ્કૃતિય વાર્ષિક શાળાવિદ્યા અભિયાન અન્વેષિત કરવામાં આવ્યું હતું. આ અભિયાન હેઠળ શાળાઓમાં સંસ્કૃતિય પ્રદર્શન, સંગ્રહણ, સંગ્રહણ અને સંગ્રહણ વગેરેના કાર્યક્રમોનું આયોજન કરવામાં આવ્યું હતું. આ અભિયાન હેઠળ શાળાઓમાં સંસ્કૃતિય પ્રદર્શન, સંગ્રહણ, સંગ્રહણ અને સંગ્રહણ વગેરેના કાર્યક્રમોનું આયોજન કરવામાં આવ્યું હતું.

Gandhinagar metro 22/6/23

આંતરરાષ્ટ્રીય યોગ દિવસે સમર્પણ સાયન્સ એન્ડ કોમર્સ કોલેજ દ્વારા યોગ કાર્યક્રમ



આંતરરાષ્ટ્રીય યોગ દિવસે સમર્પણ સાયન્સ એન્ડ કોમર્સ કોલેજ દ્વારા યોગ કાર્યક્રમનું આયોજન કરવામાં આવ્યું હતું. આ કાર્યક્રમમાં યોગીઓ દ્વારા યોગના વિવિધ શૈલીઓનું પ્રદર્શન કરવામાં આવ્યું હતું. આ કાર્યક્રમમાં યોગીઓ દ્વારા યોગના વિવિધ શૈલીઓનું પ્રદર્શન કરવામાં આવ્યું હતું.

Gandhinagar samachar 18/10/22

સેલ સેલ સેસ સોશીએટીયલ પ્રોગ્રામ સમર્પણ સાયન્સ એન્ડ કોમર્સ કોલેજમાં



સેલ સેલ સેસ સોશીએટીયલ પ્રોગ્રામ સમર્પણ સાયન્સ એન્ડ કોમર્સ કોલેજમાં આયોજન કરવામાં આવ્યું હતું. આ પ્રોગ્રામમાં સેલ સેલ સેસ સોશીએટીયલ પ્રોગ્રામ સમર્પણ સાયન્સ એન્ડ કોમર્સ કોલેજમાં આયોજન કરવામાં આવ્યું હતું.

Gujarat samachar Gandhinagar 2/4/22

સમર્પણ કોલેજ ખાતે એન્યુઅલ ફંક્શન 'ઉદય' યોજાયું



ગાંધીનગર ચેરીટેબલ ટ્રસ્ટ સંચાલિત સમર્પણ સાયન્સ એન્ડ કોમર્સ કોલેજ ખાતે એન્યુઅલ ફંક્શન 'ઉદય'નું આયોજન કરવામાં આવ્યું હતું. જેમાં કોમ્પિટિશન તથા સ્પેશિયલ અધિવેશન અને એકેડેમિક્સમાં વિશિષ્ટ પ્રદર્શન કરનાર વિદ્યાર્થીઓને મોડલથી સન્માનિત કરાયા હતાં.

Gandhinagar metro 5/7/23

સમર્પણ સાયન્સ એન્ડ કોમર્સ કોલેજમાં કોલેજપટ યુવાન કેલેબ્રેશન સેલ દ્વારા સેલ ડિવેન્સ તથા આર્ટીસ્ટ પ્રોગ્રામ નું આયોજન



સમર્પણ સાયન્સ એન્ડ કોમર્સ કોલેજમાં કોલેજપટ યુવાન કેલેબ્રેશન સેલ દ્વારા સેલ ડિવેન્સ તથા આર્ટીસ્ટ પ્રોગ્રામ નું આયોજન કરવામાં આવ્યું હતું. આ પ્રોગ્રામમાં સેલ ડિવેન્સ તથા આર્ટીસ્ટ પ્રોગ્રામ નું આયોજન કરવામાં આવ્યું હતું.

Gujarat samachar Gandhinagar 5/7/23

સાયન્સ અને કોમર્સ કોલેજમાં સેલ ડિવેન્સ કાર્યક્રમ



સાયન્સ અને કોમર્સ કોલેજમાં સેલ ડિવેન્સ કાર્યક્રમનું આયોજન કરવામાં આવ્યું હતું. આ કાર્યક્રમમાં સેલ ડિવેન્સ કાર્યક્રમનું આયોજન કરવામાં આવ્યું હતું.

વિષય, શા. ૧૦ જુલાઈ ૨૦૨૨

સંક્ષિપ્ત

સેક્ટર-૨ ટની કોલેજમાં સેમિનાર યોજાયો



સેક્ટર-૨ ટની કોલેજમાં સેમિનાર યોજાયો. આ સેમિનારમાં સેક્ટર-૨ ટની કોલેજમાં સેમિનાર યોજાયો.

Gandhinagar metro 17/2/22



સેક્ટર-૨ ટની કોલેજમાં સેમિનાર યોજાયો. આ સેમિનારમાં સેક્ટર-૨ ટની કોલેજમાં સેમિનાર યોજાયો.

Gujarat samachar Gandhinagar 28/6/23

સાયન્સ અને કોમર્સ કોલેજમાં વક્તવ્ય યોજાયું



સાયન્સ અને કોમર્સ કોલેજમાં વક્તવ્ય યોજાયું. આ વક્તવ્યમાં સાયન્સ અને કોમર્સ કોલેજમાં વક્તવ્ય યોજાયું.



**Samarpan Science & Commerce College**



**AWARD CEREMONY FOR ACADEMIC EXCELLENCE**





# AWARD CEREMONY FOR ACADEMIC EXCELLENCE TOPPERS OF 2021-22 - SCIENCE



**SHIVANGINI BHATI**  
B.Sc. Third Year Chemistry,  
Secured 80.87%



**ANKITA PARMAR**  
B.Sc. Third Year Mathematics,  
Secured 78.68 %



**SEJAL GOL**  
B.Sc. Second Year Microbiology-Chemistry,  
Secured 76.85 %



**KAVINA PATEL**  
B.Sc. Second Year Chemistry-Physics,  
Secured 72.57%



**JYOTI YADAV**  
B.Sc. First Year Physics-Chemistry-Micro,  
Secured 89.07%



**Priya Kumari**  
B.Sc. First Year Chemistry-Physics-Mathematics,  
Secured 81.71%

# AWARD CEREMONY FOR ACADEMIC EXCELLENCE TOPPERS OF 2021-22 - COMMERCE



**MITTAL CHAVDA**  
B.Com. Third Year  
Secured 82.43 %



**SHRADDHA RESHIYA**  
B.Com. Third Year  
Secured 79.36%



**HEMAL RAMI**  
B.Com. Second Year  
Secured 81.64%



**SAURABH BIRJE**  
B.Com. Second Year  
Secured 81.50%

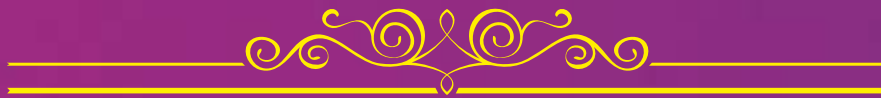


**KARISHMA RAJPUT**  
B.Com. First Year  
Secured 79.36 %



**KINJAL JADAV**  
B.Com. First Year  
Secured 78.86 %

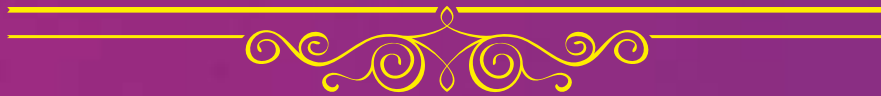




# Samarpan Science & Commerce College



## **SPECIAL ACHIEVEMENTS**



# STUDENT ACHIEVEMENTS



**Tanviba D. Vaghela B.Sc. Sem-III**  
2nd Position  
Cultural Classical Dance (Indian)  
**North Zone Gujarat University Youth Festival**



**Jahnvi Chauhan B.Sc. Sem-V**  
2nd Position  
Cartooning Competition  
**Inter Collegiate Gujarat University Youth Festival**



**Varun M. Dhandhukiya B.Com. Sem-V**  
1st Position (Gold Medalist)  
Lawn Tennis  
**National Level (University of Mumbai)**



**Garba Team**  
2nd Position  
Garba  
**North Zone Gujarat University Youth Festival**



**Garba Team**  
2nd Position  
Garba Inter Zonal  
**Youth Festival Gujarat University**



# STUDENT ACHIEVEMENTS



**Darshan Naresh Kumar Valand,**  
B.Com. Sem-III  
Participated in Thal Senik Camp,  
Army Attachment Camp, CATC Camp



**Badal Parmar, B.Sc. Sem-V**  
2nd Position.  
Poster Making Competition  
Vanashree Trust and Gandhinagar Forest Division.



**Ruturajsinh Vaghela, B.Com. Sem-IV**  
Selected for EBSB Camp Delhi,  
On 15 Th August



**Ms. Maitri Chopda, B.Sc. Sem - V**  
1st Position.  
Poster Competition  
Vanshree Trust and Gandhinagar



**Kaushal Patel, B.Sc. Sem-V**  
3rd Position  
Poster Making  
Vanashree Trust And Gandhinagar Forest Division.

# STUDENT ACHIEVEMENTS



**Saurabh Birje, B.Com. Sem-VI**  
Power Lifting  
State Level Champion



**Kashish Panchal, Vivek Solanki, Binal Prajapati**  
B.Com. Sem-II  
Performed Raas Garba At Army Camp,  
Kibitoo, China Border



**Keshavsingh Rathore, Yogitasingh Rathore**  
B.Com. Sem-VI  
NGO-Founder  
Asia Wildlife Alliance



# FELICITATION FOR SPECIAL ACHIEVEMENTS



**BHAVYAKUMAR ACHARYA**  
SELECTED AS ONE OF  
The Best Performance In Poetry Recitation  
Youth Festival-north Zone



**YOUTH FESTIVAL- TABLEAU**  
NCC CADETS Secured 2 nd Rank in  
tableau in youth festival organized by  
Gujarat University



**DHWANI VALAND**  
Best Cadet Award



**JYOTI YADAV**  
Secured 2 nd Rank in drawing competition.  
Best Cadet Award



**KASHISH PANCHAL AND VIVEK SOLANKI**  
Participated in tableau "NARI SHAKTI URJA"  
26th January Pared New Delhi



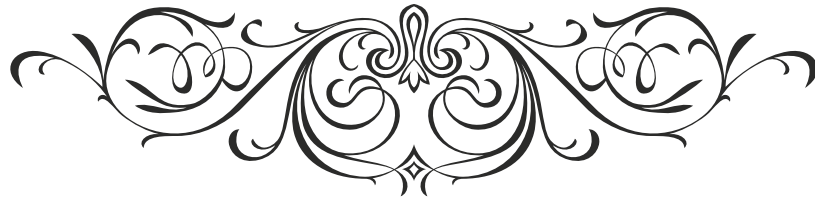
**KRISHKUMAR RATHOD**  
Attended All India Leadership Camp



**Samarpan Science & Commerce College**



**FACULTIES CORNER**





## Learner's Language Learning Activities Through Inbuilt as well as Supported Tools of Mobile Device

Dr. Rasikkumar Jivanlal Tanna  
(Vice Principal)  
Samarpan Science and Commerce College



### Abstract

The teaching –learning process of English language has been constantly changing since English language became an international language and it has been accepted as a link language among developed and developing countries of the world. The constant innovations and up- gradation in the methods and approaches of English language learning and changing demand of generations to generations have brought drastic change in language learning process. The scope of learning language extends its boundaries in today's digital age. The invention of computer had given birth to CALL (Computer assisted Language Learning) .Involvement of computer in language teaching leaning process solved many issues of tutors and learners regarding availability of teaching –learning aids in the classroom. In 21st century the new concept such as MALL has been introduced. Keeping above mentioned ideology, the present paper explores the possibilities of language leaning through inbuilt and supported applications of mobile device. The researcher has tried to explain the detail information about each feature of mobile device as well few popular mobile device supported applications.

## A Journey of Methods and Approaches of English Language from the Past to Present Era

Suganya. R  
(Assistant Professor)  
Samarpan Science and Commerce College



### Abstract

This paper encompasses various methods and approaches of English Language teaching. Here, a genuine effort has been made to show the effectiveness and the gradual development of different methods and approaches. Along with this, the researcher has also elaborated the advantages and disadvantages of these methods and approaches. The main objective of this paper is to be present the effectiveness of existing methods and how they are different from the past methods. This is an acceptable notion that each and every method has its own benefits and drawbacks. The method is a key feature for a tutor which is adopted during in the classroom teaching. An adoptability of an appropriate method helps the tutor to conduct an activity and makes the teaching learning process more and more enthusiastic for learners. The prime objective of any teacher is to prepare an activity as per the mental ability of the students. Teachers are subjected to adopt any one of the method to improve LSRW skills for a better learning and to enhance the knowledge of students. Therefore, it is an essential thing to equip these methods and approaches to achieve a desired result.

## Differential Pathogenicity amongst the Isolates of Tomato Leaf Curl Virus from Gujarat and Screening of the Most Potent Virus

**Ms. Margi Shelat**  
(Assistant Professor)  
Samarpan Science and Commerce College



### Abstract

Tomato leaf curl virus (TLCV) has been identified as one of the most devastating pathogen causing tomato leaf curl disease (TLCD) in India. In the tomato growing regions of four agro climatic zones of Gujarat, plants were showing severe symptoms of TLCD such as vein clearing, dwarfing, puckering and curling of leaves, excessive branching, dropping of flowers and poor fruit setting. Worldwide about, 146 viruses belonging to 33 genera are reported to infect tomato. The genus Begomovirus contains more than 200 species and belongs to the taxonomic family Geminiviridae. Tomato crops are particularly susceptible to more than 50 different species of the Begomovirus genus, and among them to a group of species, responsible for Tomato yellow leaf curl disease. From India 21 strains of TLCV have been reported each showing different symptoms. Eighteen isolates of the virus from four different agro climatic zones of Gujarat were analyzed based on the types of symptoms and identified to be seven different strains. Each of the isolates were analyzed for their pathogenicity on eight different tomato varieties of tomato. Growth parameters such as plant height, percentage of leaves curled, number of branches per plant, number of trichomes/cm<sup>2</sup>, number of clusters per plant, number of flowers per plant, delaying in flowers, physiological parameter such as chlorophyll content (mg%) were evaluated at a weekly interval. The total yield loss was calculated for each variety infected with each of the viral samples. The variation in virulence amongst the collected viral samples was determined and the most potent virus was identified.

## Some Properties of E-retract of Semigraph

**M S Sutaria**  
(Assistant Professor)  
Samarpan Science and Commerce College



### Abstract

Theory of Semigraph was introduced by E.Sampatkumar [6] which is analogous with theory of Hyper graph. Homomorphism[4] and retraction are closely related to each other. In this article we have introduced e-retract . This article is based on discussion of properties of e-retract and inter relation of parameters under e-retraction . In this Paper we have also introduced e-closed neighborhood and derived some of it's algebraic properties



## **An Empirical Study on Young Consumer's Pro-environmental Behavior and Readiness towards Purchase of Green Household Appliances**

**Ms. Heer Shah**  
(Assistant Professor)  
Samarpan Science and Commerce College



### **Abstract**

With expanding consumer markets and volumes, production and consumption practices are severely harming the environment. The importance of this issue has been recognized by the government, consumers, and producers. Industries' research and development divisions are constantly attempting to create products that are eco-friendly and cause less environmental damage. Green products are frequently described as having healthy disposal options and the ability to be recycled. The government and non-governmental organizations both advocate for the production, marketing, and consumption of such products. Based on literature review, the present study attempts to study factors affecting purchase behavior of Green Household Appliances (GHA)/ Energy Efficient Appliances (EEAs). It also explores the level of awareness and attitude of Young Consumers towards GHA. Further, researcher has attempted to establish a relationship between attitude/awareness and Consumers readiness to purchase GHA. Primary data was collected from 177 young consumers from Gandhinagar, Gujarat which were analyzed using structured questionnaires. The findings of the study surface that young consumers are aware and possess a positive attitude towards purchase of GHA. Various constructs of Pro-Environmental Behaviour and Energy Savings, have been at the core in the research. The study leads to a conclusion that there exists a negative correlation between Young Consumers' Energy savings behaviour and Consumers readiness for purchase of GHA.

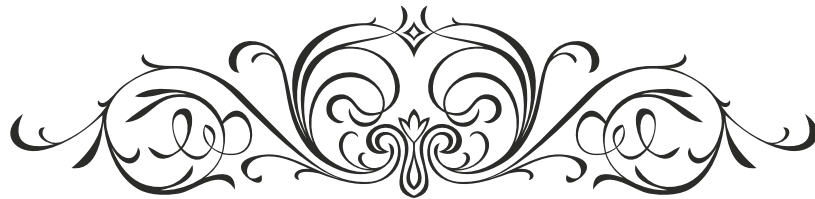
## **Ahmedabad Agriculture Product Market Committee-an Analytical Study**

**Ghanchi Salmaben Asgarali**  
(Assistant Professor)  
Samarpan Science and Commerce College



### **Abstract**

Agriculture is plays an important role in the Indian economy. A large number of jobs are associated with the agriculture sector. Agriculture marketing is the covered service involved in getting the agriculture product from the farmer to the customer. It is also planning, handling, organizing, collecting, and directing agriculture products to consumers, farmers, and producers. This research paper is focused on the income and expenditure statement of the Ahmedabad APMC and also find the importance of the permanent fund of Ahmedabad APMC.



**Samarpan Science & Commerce College**



**STUDENTS CORNER**





# India's Economic Roller Coaster Navigating ups and downs in the Post-COVID Era

**Ayush Tiwari**

(B.com, Semester-1)

Samarpan Science and Commerce College



## Introduction

The COVID-19 pandemic unleashed unprecedented challenges on economies worldwide and India was no exception. As the nation battled the virus and implemented measures to curb its spread, the Indian economy experienced a series of ups and downs. From initial setbacks to cautious recovery, the journey has been marked by resilience, innovation, and policy adaptations.

## The Initial Blow: Economic Contraction

In the early days of the pandemic, India, like many other countries, faced a severe economic contraction. Lockdowns, travel restrictions, and disrupted supply chains led to a massive decline in economic activity. The GDP contracted significantly in the first quarter of the fiscal year 2020-2021. The sudden halt in manufacturing, trade, and services sectors left millions unemployed, particularly affecting the informal and daily wage workers.

## Government Interventions and Recovery Efforts

To counter the economic crises, the Indian government introduced several relief measures. A notable initiative was the Atmanirbhar Bharat (Self-Reliant India) package, aimed at stimulating various sectors through fiscal support and structural reforms. The Reserve Bank of India (RBI) also stepped in with monetary measures, reducing interest rates and injecting liquidity to stabilize financial markets.

## Phases of Recovery

The Indian economy displayed signs of recovery in the latter half of 2020. As lockdown restrictions eased, economic activity slowly picked up. Sectors like agriculture, technology, pharmaceuticals, and e-commerce witnessed resilience and even growth during the pandemic. The government's push for digitalization and online services further contributed to recovery.

## Uneven Landscape: K-shaped Recovery

However, the recovery was unevenly distributed, leading to a K-shaped recovery. While some sectors rebounded, others continued to struggle. Traditional brick-and-mortar industries, tourism, and small businesses faced prolonged challenges due to changing consumer behaviors and ongoing restrictions.

## Challenges on Multiple Fronts

The resurgence of COVID-19 in subsequent waves posed renewed challenges. The second wave, in particular, brought its own set of economic disruptions forcing localized lockdowns and dampening consumer sentiment. The healthcare crisis strained resources and added pressure on an already fragile economic ecosystem.

## Global Supply Chain Disruptions

India's position in the global supply chain also underwent shifts. The pandemic exposed vulnerabilities in supply chains heavily dependent on certain countries. This prompted discussions around diversification and indigenous production capabilities. The government's focus was on manufacturing and infrastructure.

## Future Prospects and Policy Imperatives

Looking ahead, India faces the dual task of addressing immediate economic challenges and fostering sustainable growth. The vaccination drive and continued adherence to safety protocols are critical for restoring consumer confidence and enabling a steady reopening of the economy. Structural reforms to simplify regulations, improve ease of doing business, and enhance labor market flexibility will play a pivotal role in attracting investments and creating jobs.

## Conclusion

India's economic journey in the post-COVID era has been marked by a roller coaster of ups and downs. While the pandemic-induced challenges were significant, the nation's resilience and adaptive policies have been commendable. As India works towards stabilizing its economy and building a more robust and inclusive growth trajectory, the lessons learned from this period will undoubtedly shape its economic strategies for years to come.





# Is Commerce Field a Door to Success?

Pawar Harshita Dinesh  
(B.Com, Sem 1)  
Samarpan Science and Commerce College



## Introduction

By looking at the data published in reports, it can be said that, enrolment in commerce stream rose gradually from 28.9 lakhs to 43.2 lakhs approx respectively during 2012-2013 to 2020-2021.

Let us first talk about WHAT IS COMMERCE AND ITS STREAM?

If I have to explain it in brief, I would say commerce is a well organized set up of large-scale interchange of products, services or something of value, for money or money's worth. In other words, it relies on the fact that everything that is produced must be consumed. In this way, commerce comes into the picture to facilitate effective and uninterrupted buying and selling of goods and services.

## What About Commerce Stream?

In brief, commerce stream is an academic pathway that mainly focuses on business, finance, economics and related subjects. Students who opt for commerce as their stream, aspire to pursue career in fields such as Finance, Banking, Accounting, Marketing, Management etc. Now that we get the basic idea about commerce and its stream, let's talk about its scope - Commerce stream provides students with practical knowledge and skills related to the business world, which can help them in their future professional endeavors.

If you are wondering about the degrees provided, here are some of the examples-

- ◆ Bachelors of Commerce [**B.COM&B.COM(HONOURS)**]
- ◆ Bachelors of Business Administration (**B.B.A**)
- ◆ Masters of Business Administration (**M.B.A**)
- ◆ Masters of Education (**M.Ed**)
- ◆ Bachelors of Laws (**L.L.B**)
- ◆ Bachelors of Economics (**B.E**)
- ◆ Bachelors of Education (**B.Ed**)
- ◆ Masters of Commerce (**M.Com**)

And may more like these.

Commerce provide a large variety of career opportunities to the students like –

Accountant, Business Executive, Accounts Manager, H.R Manager, Account Executive, Retail Manager, Branch Manager, Marketing Executive, Advocate, Legal Advisor, Taxation Officer, Finance Manager, Economist, Actuarial Analyst etc.

The list is huge.

At Last, I conclude that,

**Commerce is a very large body, which gives sufficient opportunities to all the people, at the end of the day it depends on your skills, capabilities and hard work which leads you to the path of success.**

**Commerce is just a key to that door.**

# Future of Mathematics

Mr. Parthiv Nitinbhai Patel  
(B.Sc., Semester-3)  
Samarpan Science and Commerce College



There is a lot more to math than the finding the hypotenuse of a right-angle triangle or solving an equation. Math is more than our school curriculum where we apply memorized formulas to problems and focus on getting the solutions.

Look around you carefully, there is math everywhere. Even when we use search engines like Google or avail of a discount buying a product, watch a favourite movie on an OTT platforms, or even understand how a virus becomes a pandemic, it's all math. So, if you get your math right, you will find an answer to many "whys" or questions that bombard our minds.

Math is about understanding automation and computational thinking. Never has math been more important like a skill than today and the way the future looks, math coding and data sciences will be the go-to skills in the future. So, to be a part of the future's landscape, children today need to develop mathematical thinking so that they can be a part of world where automation and AI will determine what jobs will they be engaged in and what innovations will they be a part of.

The question is that how math will help you build your career?

Math trains your mind the same way sport trains your body. If you want to get ahead in your career and command authority within your work place, you will have to start thinking critically. This is where the math comes in!

Additionally, math plays a crucial role in technology. As innovative technologies are being introduced every single day. Technology is hugely based on a logic, and the way it works is based on different processes coming together to perform a task. Furthermore, math will help your child venture into the modern world. It will enable them to understand inner workings of machinery, law, and science.

Mathematics not only helps you acquire several skills, but it also helps you go into several careers. A math degree can do more than help you become mathematician. It can also get you other jobs, some of which includes: STEAM Jobs, Data Scientist, Accountant, Actuary, Financial Management, Engineering.

Last but not least, we are aware that modern AI is shaped by the works of mathematicians and computer scientists.

## **Conclusion :-**

Regardless of whether or not you like math, this subject can teach you some valuable skills and help you to excel in and get into various careers. You use math everyday, both in daily chores, and decisions and in your career. Acquiring this knowledge will help you improve your future and do well in life and in your career.



# E – Commerce

Solanki Suhani  
(B.COM., SEMESTER – V)

Samarpan Science and Commerce College



## What Is E-Commerce?

E-Commerce is a Method of Buying and Selling goods and Services online. E-commerce such as your own Website, an established selling website like Amazon, or social media to drive online sales.

- ♦ It is commonly known as electronic Marketing.
- ♦ It consists of buying and selling goods and services over an electronic system such as the internet.
- ♦ E-commerce is the purchasing, selling & exchanging goods and service over computer network or internet through which transaction or terms of sale are performed electronically.

## E-Commerce vs. E-Business

We use the term e-business to refer primarily to the digital enablement of transaction and processes within a firm, involving information systems under the control of the firm. E-commerce includes commercial transaction involving an exchange of value across organizational boundaries.

## The Types of E-Commerce

- ♦ Business to Business [B2B]
- ♦ Business to Consumer [B2C]
- ♦ Consumer to Consumer [C2C]
- ♦ Consumer to Business [C2B]

## What is B2B E-Commerce?

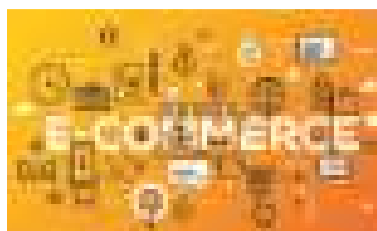
B2B E-Commerce is simply defined as E-Commerce between companies. About 80% of e-commerce is of this type.

**Examples:** (1) Intel selling microprocessor to Dell (2) Heinz selling ketchup to MC Donald's

## What is B2C E-Commerce?

Business to consumer e-commerce, or commerce between companies and consumers, involves customers gathering information, purchasing physical goods or receiving products over an electronic network.

**Example-** Dell selling me a laptop.



## What is B2G E-Commerce?

Business to Government e-commerce or B2G is generally defined as commerce between companies and the public sector. It refers to the use of the internet for public procurement, licensing procedures, and other government related operations.

**Example-** Business pay taxes, file reports.

## What is C2C E-commerce?

Consumer to consumer e-commerce or C2C is simply commerce between private individuals or consumer.

**Example-** Me selling a car to my neighbor.

## Advantages of E-Commerce:

- ♦ Faster buying/selling procedure, as well as easy to find products
- ♦ Buying/selling 24/7.
- ♦ Low operational costs and better quality of services.
- ♦ Easy to start and manage are business.

## Disadvantages of E-Commerce

- ♦ Unable to examine products personally.
- ♦ Not everyone is connected to the internet.
- ♦ There is the possibility of credit card number theft.





# Mutual Funds

Rajput Karishma

(B.COM., SEMESTER – 5)

Samarpan Science and Commerce College



In 1963, the day of concept of mutual funds took birth in India. Unit trust of India invited investors or rather to those who believed in savings, to park their money in UTI mutual fund. For 30 years, it had goaled without a single second player. Though the 1988 year saw some new mutual fund companies but UTI remained in a monopoly position. The performance of mutual funds in India. In the initial phase was not even closer to satisfactory level. People rarely understood, and of course investing was out of question. But yes, some 24 million shareholders were accustomed with guaranteed high returns by the beginning of the liberalization of the industry in 1992.

## Types Of Mutual Fund

### 1) By Structure:

Open- ended – anytime enter /exit

Close –ended schemes – listed on exchange, redemption after period of scheme is over .

### 2) By Investment Objective:

Equity (growth) - only in stocks –long term (3 years)

Debt (income) – only in fixed income securities (3-10 months)

Liquid/Money Market (including gilt) – short term money market (Govt.)

Balanced/Hybrid - Stocks + Fixed income securities (1-3 years)

### 3) Other Schemes:

Tax Savings Schemes.

Index Schemes

Sector Specific Schemes.

This good record of UTI became marketing tool for new entrants. The expectations of investors touched the sky in profitability investors touched the sky in profitability factor. However, people wore miles away from the preparedness of risks factor after the liberalization.

The net asset value of mutual funds in India declined when stock prices started falling in the year 1992. Those days, the market regulations did not allow portfolio shifts into alternative investments.

A mutual fund is a trust that pools the savings of a number of investors who savings of a number of investors who share a common financial goal. The money thus collected is then invested in capital market instruments such as shares, debentures and other securities. Thus the fund is owned jointly by the entire unit –holders.

- ◆ A mutual fund is a common pool of money into which investors place their contributions that are to be invested in different types of securities in accordance with the stated objective.
- ◆ An equity fund would buy equity assets-ordinary shares, warrants etc.
- ◆ A bond fund would buy debt instruments such as debentures bonds, or government securities.
- ◆ A balanced fund will have a mix of equity assets and debt instruments.
- ◆ Mutual fund shareholders or a unit holder is a part owner of the funds asset.

They differ by the objective and length of investment stock funds are investments in the stock market. The main objective of this investment is to either increase the value of the portfolio by growth or to earn regular incomes by collecting dividends or a combination of both. The stock market is a very large market with different sectors of varying risks .the two main types of stock funds are growth funds and value funds.

It is geared towards investors who seek long term gain. On the other hand, value funds or income funds are invested to older companies that regularly pay dividends these choices are available to potential investors so they can decide for themselves what they want in their investment. Bond funds are mutual funds that invest in several government or corporate bonds and other securities. They pay dividends.

In individual bonds, the principal is returned once the time period expires. In bond funds, the principal is immediately reinvested by the fund manager, upon its expiry. The money market funds refer to short –term investment funds that mature within 13 months. The main advantage of this type of funds is its low risk, due to the lack of exposure to economic changes.





# Goods and Services Tax (GST)

Solanki Aniket Pravinbhai  
(B.COM., SEMESTER – 5)  
Samarpan Science and Commerce College



The Goods and Services Tax (GST) was introduced in India on July 1, 2017. The implementation of the Goods and Services Tax (GST) in India has been a significant step towards simplifying the indirect tax structure in the country. Recently, the Central Board of Indirect Taxes and Customs (CBIC) issued new notifications to bring in changes to the GST rate structure, exemptions, and compensation cess. These changes were recommended in the 49th meeting of the GST Council, indicating the government's commitment to ensuring a smooth and efficient GST system. However, despite these efforts, some challenges persist in the functioning of the GST system. Let's examine the present situation, positive effects, challenges, and conclusion of GST.

## Present Situation

- ◆ In February 2023, the total gross GST revenue collected amounted to Rs. 1,49,577 crore, indicating a 12% increase from the GST revenue collected during the corresponding month of the previous year.
- ◆ GST collection in Jan 2023 crossed ₹1.5 lakh crore mark for the 3rd time this financial year, 2nd only to the highest collection in April 2022 of ₹1.68 lakh crore. The trend of growth in GST collection is consistent and sustainable.
- ◆ The indirect tax consists of 17% of the total revenue of the government, which is more than what the government receives from income tax, union excise duties, as well as corporation tax.
- ◆ The number of GST returns and the statement of invoices filed by the end of the month has seen a significant increase in recent years, with a total of 2.42 crore GST returns filed in the October-December 2022 quarter, compared to 2.19 crore in the same quarter of the previous year. This improvement in compliance is a result of various policy changes introduced throughout the year.

## Positive effects

- ◆ GST has simplified the indirect tax system by subsuming multiple taxes and cesses into a single tax structure.
- ◆ GST has empowered businesses by improving the ease of doing business in India, reducing the burden of multiple tax filings and compliance requirements, and making compliance easier and smoother.
- ◆ GST has brought positive effects such as plugging revenue leakages and addressing procedural issues.
- ◆ Tax evasion has been curbed due to the implementation of GST.
- ◆ Robust GST collections have been observed and monthly revenues have been more than Rs. 1.4 lakh crore for continuous 12 months.

- ◆ The use of data analytics and artificial intelligence has helped identify and track risky taxpayers and tax evasion cases.

## Challenges

Implementing GST is still challenging due to issues with tax slabs, Input Tax Credits, and refunds. Having multiple tax slabs can confuse businesses, and claiming ITC and refunds can be complicated and time-consuming. To make it easier for businesses to comply, the processes need to be simplified and rationalized.

- ◆ Recent data reveals that 57,111 cases of GST offences have been registered between July 2017 and February 2023, with the highest number of cases registered in the fiscal year 2022-23. This suggests that certain businesses are facing challenges in adhering to the GST regulations, despite efforts to simplify the system. Therefore, it is imperative for the government to take measures to educate businesses about the GST system and simplify the compliance process.
- ◆ The GST Tribunals are responsible for adjudicating disputes between taxpayers and the tax authorities. However, the functioning of these Tribunals has been hampered due to delays in their setup, leading to a halt in tax recovery. This delay not only impacts businesses but also the government's revenue collection. Therefore, the government needs to speed up the setup of these Tribunals to ensure the timely resolution of disputes and tax recovery.
- ◆ The inclusion of petroleum products and real estate in the GST regime has been a longstanding demand. However, this is yet to be implemented due to concerns over revenue loss and the impact on the industry.

## Conclusion

The implementation of GST has been a significant step towards simplifying the tax system in India. It has brought about several positive changes, such as plugging revenue leakages, improving compliance, and creating a level playing field for businesses. However, five years since its implementation, there are still some challenges that need to be addressed, such as rationalization of tax slabs, Input Tax Credit, and refunds. The GST authorities need to continue working towards addressing these issues to make the system more transparent and easier for businesses to comply with. Overall, GST has the potential to bring about long-term benefits for the economy, and with continued efforts towards improvement, it can continue to drive growth and development in the years to come.





# Heat Wave

**Patel Manthan Mukeshbhai**  
(B.COM., SEMESTER – 5)  
Samarpan Science and Commerce College



Extreme heat waves are a big problem in India and cause a lot of health and environmental issues. Heat waves are a combination of climate risks, as well as risks to society, jobs, and public health. More and more people are dying from heat waves, which means we need to find new ways to prevent these deaths during the summer months.

## What is a heat wave?

A prolonged duration of extreme heat is typically referred to as a heat wave. According to the Indian Meteorological Department (IMD), a heat wave occurs when the maximum temperature of a station reaches at least 40°C for the plains and at least 30°C for the hilly regions. Heat waves are declared when there is an increase of 5°C to 6°C from the normal temperature, and severe heatwave conditions occur when there is an increase of 7°C or more from the normal temperature.

## Causes of heat waves:

- ◆ Less moisture in many areas leaves large parts of India arid and dry.
- ◆ The heat waves in India are partly caused by the unusual pattern of pre-monsoon rainfall coming to an abrupt halt.
- ◆ Trade winds coming from South America normally blow westward towards Asia during the Southwest Monsoon, and the warming of the Pacific Ocean results in the weakening of these winds.
- ◆ Therefore, moisture and heat content get limited, resulting in a reduction and uneven distribution of rainfall across the Indian subcontinent.
- ◆ The increase in global temperatures due to the buildup of greenhouse gases can contribute to heat waves becoming more frequent and intense.
- ◆ High levels of air pollution can trap heat in the atmosphere, leading to higher temperatures.

## Deforestation can contribute to heat waves by changing the balance of heat absorption Effects of heat waves:

- ◆ Health consequences: Heat waves can cause dehydration, heat exhaustion, and heat stroke.
- ◆ Prolonged exposure to high temperatures can also exacerbate existing health conditions such as heart and respiratory diseases.
- ◆ Economic impacts: Heat waves can cause reduced productivity and increased absenteeism in the workforce. The energy demand for cooling increases during heat waves, which can cause power outages and increase energy costs.

- ◆ **Agricultural impacts:** Heat waves can damage crops and reduce yields, leading to food shortages and increased food prices.
- ◆ **Environmental impacts:** Heat waves can lead to droughts, forest fires, and the degradation of ecosystems.
- ◆ **Social impacts:** Heat waves can disproportionately impact vulnerable populations, such as the elderly, children, and low-income communities. They can also lead to social unrest, loss of work hours, and migration.

### **Potential solutions for heat waves:**

- ◆ **Plant more trees:** Trees can provide shade and help cool down urban areas. They also absorb carbon dioxide from the atmosphere, which helps reduce the greenhouse gas effect.
- ◆ **Improve urban planning:** Cities can be designed to reduce the urban heat island effect by incorporating green roofs, using reflective materials on buildings, and increasing the amount of green space.
- ◆ **Develop early warning systems:** Governments can develop systems to alert people to the dangers of heat waves. This can include weather forecasts, public announcements, and education campaigns.
- ◆ **Increase access to clean water:** During heat waves, people need to stay hydrated to avoid heat-related illnesses. Governments can ensure that clean drinking water is available to everyone, especially vulnerable populations.
- ◆ **Promote energy efficiency:** Reducing energy consumption can help to reduce the demand for electricity during heat waves. This can be achieved through policies that promote energy efficiency and the use of renewable energy sources such as solar and wind power.

### **Conclusion**

The rise of heat waves is a significant challenge that requires urgent attention and action. The increasing frequency and intensity of heat waves have significant impacts on human health, the environment, and the economy. The causes of heat waves are multifaceted, with a combination of natural and human-made factors contributing to their occurrence. However, mitigating heat waves requires a coordinated effort from governments, the private sector, and communities. Through early warning systems, urban planning, sustainable practices, and innovative cooling technologies, we can work towards reducing the impact of heat waves. It is essential that we take proactive measures to mitigate the effects of heat waves, safeguarding the well-being of our communities and the planet.







**Samarpan Science & Commerce College**



**STUDENTS ART**









# **Samarpan Science & Commerce College**



## **FACULTY ACHIEVEMENTS**



# FACULTY ACHIEVEMENTS

- ❖ Ms. Heer Shah, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in a webinar on “Ethics in research publication: an important issue” held by department of Research and publication, AZZ Ed. Learning Hub LLP on 19<sup>th</sup> June-2022.
- ❖ Ms. Ketu A Patel, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in two day online workshop on Recent Trends in Nuclear Science & Material Science” jointly held by Arts, Commerce and Science College, Kille- Dharur and Bhagwan Mahavidyalaya, Ashti-Beed on 5<sup>th</sup> -6<sup>th</sup> September -2022.
- ❖ Ms. Ketu A Patel, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in an interactive Seminar on “Managing Personal Finance held by Women Development Cell (WDC) & Internal Complaint Committee (ICC), Gujarat University, Ahmedabad on 6<sup>th</sup> August, 2022.
- ❖ Ms. Saloni B. Joshi, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in an interactive Seminar on “Managing Personal Finance held by Women Development Cell (WDC) & Internal Complaint Committee (ICC), Gujarat University, Ahmedabad on 6<sup>th</sup> August, 2022.
- ❖ Ms. Shweta C. Bharvad, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in an interactive Seminar on “Managing Personal Finance held by Women Development Cell (WDC) & Internal Complaint Committee (ICC), Gujarat University, Ahmedabad on 6<sup>th</sup> August, 2022.
- ❖ Ms. Salma Ghanchi, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in National Level Online Faculty Development Programme (FDP) on “Crypto Currency, Block Chain & Cyber Security held by Department of commerce and Department of Computer Science, KMM College of Arts and Science, Thrikkakara , Ernakulum ,Kerala from 12<sup>th</sup> September to 16<sup>th</sup> September, 2022.
- ❖ Ms. Salma Ghanchi, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in National Level Online Faculty Development Programme (FDP) on “Understanding the Philosophy of Investment held by De Paul School of commerce and De Paul Institute of Science & Technology, Angamaly, Ernakulum ,Kerala from 31<sup>st</sup> October to 4<sup>th</sup> November , 2022.
- ❖ Ms. Suganya Seenivasan, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in, Online Faculty Development Programme (FDP) on “Research Insight for Beginner’s” held by Research Cell, Indus University, Ahmedabad on 24<sup>th</sup> September, 2022.
- ❖ Ms. Suganya Seenivasan, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in national level Online Faculty Development Programme (FDP) on “ELT in Digi-World: Developing Global Citizenship” organised by Department of Humanities, Bharat Institute of Engineering and Technology, Hyderabad from 27<sup>th</sup> June, 2022 to 2<sup>nd</sup> July, 2022.



## FACULTY ACHIEVEMENTS

- ❖ Dr. Margi R. Bhatt, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in Faculty Development Programme (FDP) on “Strengthening Experimental Microbiology for Undergraduate Study” held by Department of Microbiology and Biotechnology, University School of Sciences, Gujarat University, India from 20<sup>th</sup> July, 2022 to 26<sup>th</sup> July, 2022.
- ❖ Ms. Hiral S. Surti, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in offline residential 2-days short term course on “Building Competencies of Teachers for film and media studies, Teacher’s Training - निपुणताकीओर organised by Centre of Training, Indian Institute of Teacher’s Education, Gandhinagar on 28<sup>th</sup> November, 2022 and 29<sup>th</sup> November, 2022.
- ❖ Ms. Hiral S. Surti, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in two day online workshop on “Recent Trends in Nuclear Science & Material Science” jointly held by Arts, Commerce and Science College, Kille- Dharur and BhagwanMahavidyalaya ,Astri-Beed on 5<sup>th</sup> -6<sup>th</sup> September - 2022.
- ❖ Ms. Hiral S. Surti, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in Faculty Development Programme (FDP) on “Strengthening Experimental Microbiology for Undergraduate Study” held by Department of Microbiology and Biotechnology, University School of Sciences, Gujarat University, India from 20<sup>th</sup> July, 2022 to 26<sup>th</sup> July, 2022.
- ❖ Mr. Bhargavkumar R. Patel, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in two day online workshop on “Recent Trends in Nuclear Science & Material Science” jointly held by Arts, Commerce and Science College, Kille- Dharur and Bhagwan Mahavidyalaya, Ashti-Beed on 5<sup>th</sup> -6<sup>th</sup> September -2022.
- ❖ Mr. Bhargavkumar R. Patel, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in offline residential 2-days short term course on “Building Competencies of Teachers for film and media studies, Teacher’s Training - निपुणताकीओर ” organised by Centre of Training, Indian Institute of Teacher’s Education, Gandhinagar on 28<sup>th</sup> November, 2022 and 29<sup>th</sup> November, 2022.
- ❖ Ms. Juhi Darji, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in online 2-days national level seminar on “Role of NAAC with NEP as a Quality Tool for Higher Education” organised by Internal Quality Assurance Cell, Sri Ranganathar Institute of Engineering and Technology, Coimbatore, Tamilnadu, India, during 16<sup>th</sup> & 17<sup>th</sup> December 2022.
- ❖ Ms. Juhi Darji, Assistant Professor, Samarpan Science and Commerce College, Gandhinagar participated in National Level Online Faculty Development Programme (FDP) on “Crypto Currency, Block Chain & Cyber Security held by Department of commerce and Department of Computer Science, KMM College of Arts and Science, Thrikkakara , Ernakulum ,Kerala from 12<sup>th</sup> September to 16<sup>th</sup> September, 2022



# **Samarpan School of Law**





## ORIENTATION PROGRAMME

Orientation or Induction Programme is very important for every new student they can get every informational session related to their course; campus safety, academic resources, and students support services and clubs. Orientation is chance for students to learn how things work at their new institute as well as faculties and staff members. On 1st September, 2022- Dr. Mayuri Pandya, Director, GLS Law College, Ahmedabad, welcoming and motivating our Law Students in orientation programme.



## EDUCATIONAL VISIT TO WOMEN AND CHILD WELFARE OFFICE IN DISTRICT COURT, GANDHINAGAR

On 6th October, 2022, the objective of this Legal awareness programme was bring self awareness among the students and which can spread such awareness in their society. Samarpan School of Law acts as a bridge between their busy academic life and necessity of self awareness and benefit to the society too.



## EDUCATIONAL VISIT GUJARAT STATE HUMAN RIGHTS COMMISSION , GANDHINAGAR

On 3rd March 2023 The Human Rights Commission is responsible for the protection and promotion of human rights. This commission act as “rights relating to life, liberty, equality and dignity of the individual guaranteed by the Constitution or embodied in the International Covenants”. The objective of this visit that as a student of Law, they are the part of Legal System and ready to help the society.



## EDUCATIONAL VISIT GUJARAT STATE INFORMATION COMMISSION , GANDHINAGAR

On 18th March, 2023, we visited The Gujarat State Information Commission. It is an autonomous and statutory body constituted as per “The Right to Information Act, 2005 by the State government of Gujarat through a notification in official Gazette. In the court of Honorable Ramesh J. Karia, students of Samarpan School of Law actively took part in the proceeding. The objective to visit GSIC that now being as a student of Law, they are the part of Legal System so they come to learn about the proceedings in the concern court.





## EDUCATIONAL VISIT DIRECTORATE OF FORENSIC SCIENCE, GANDHINAGAR

On 24th February, 2023 Forensic Evidence plays a crucial role in criminal investigations in India. It helps to identify suspects, establish the facts of the case, and link suspects to the crime scene. Forensic evidence can also be used to support or refute witness testimony and to establish the cause of death in cases of homicides etc. the objective to visit Forensic Lab that our student of Law took actively part, and come to know that how this Forensic department is needful and helpful in our legal system.



## SERIES OF GUEST LECTURE

A) HIREN VARMA ADVOCATE, GUJARAT HIGH COURT ON GENDER DISCRIMINATION.

On 30th Sep, 2022 the objective behind this guest lecture, to explain the importance of Gender studies which is a field that promotes gender equality and combats discrimination against women and other marginalized groups. By examining the history of gender norms over time, it's possible to understand how they contribute to the continued oppression of women in modern society. Gender equality prevents violence against women and girls. Gender equality is a human right.



## B) DR. SMITA VYAS (HoD, DEPARTMENT OF LAW, HNGU PATAN) ON SEXUAL HARASSMENT AT WORK PLACE

On 10th October, 2022 the objective behind this guest lecture, to explain the importance of Sexual harassment which harms us all. Harassment leads to absenteeism, poor morale, loss of focus, and legal consequences. Failure to prevent sexual harassment in the workplace will break compliance with Title VII of the Civil Rights Act and similar state civil rights laws and fair employment laws. In addition, the employer is liable as the company is always responsible for harassment by a supervisor that results in a tangible employment action.



## SERIES OF GUEST LECTURE

### C) ADVOCATE DEVENDRA JHA SIR ON CONSTITUTIONAL REMEDIES

On 19th Jan, 2023 the objective behind this guest lecture, to explain the importance of the Constitutional Remedies which is the most important fundamental right because it ensures that all citizens enjoy their fundamental rights. Under this right, citizens can approach the high court or the Supreme Court to reclaim their fundamental rights.





#### D) AMITBHAI P PATEL SIR , EX CIVIL JUDGE AND SENIOR ADVOCATE GUJARAT HIGH COURT ON JUVENILE JUSTICE

The objective behind this guest lecture, to explain the importance of The Juvenile Justice System, Explain our students with his experiences and to ensures fair and child-friendly proceedings, protection of rights, and focuses on the rehabilitation and reintegration of such children. It plays a pivotal role in promoting a just and nurturing environment that fosters the holistic development and well-being of children in the juvenile justice system.



### STUDENTS VISIT AT ENVIRONMENTAL SENITATION INSTITUTE, SUGHAD, AHMEDABAD

On 3rd April, 2023, We visited ENVIRONMENTAL SENITATION INSTITUTE. Our students come to know about how maintaining cleanliness in our lives, we protect our family from ugly diseases and health conditions. We're also maintaining the mental health; we all need to grow up balanced and strong. As a result, our self-image becomes enhanced, we feel more confident, and become respected and socially included.





# LIBRARY ORIENTATION

# WITH LL.B. FINAL YEAR STUDENTS



## MEDIA GALLERY







**Samarpan School of Law**



**FACULTY CORNER**



# What is the Difference Between a Nomination and an Legal Heir?

BHAVIK PANDYA, B.COM, M.B.A, LLB, LLM, PH.D. (PURSUING)

Samarpan School of Law



## Introduction :

Is Legal heir and Nominee the same ? Will your Nominee get the money on your death ? Did you think that your nominee is the person, who will get all the money legally from your Life Insurance Policy and Mutual funds' investments? Not many of us are actually aware of this legal twist. We assume many things, which sounds like they are obvious, but are not true from the legal point of view.

Writing a will is very essential if you consider the entire legal consequences and its absolute importance, from a larger perception. A will is the written declaration made by an individual about the distribution of his/ her assets, wealth and property to beneficiaries or legal heirs, as per his/her wishes. Beneficiaries can include members of the family, other relatives, friends, acquaintances, organizations, charities and so on.

The importance of a will in India cannot be emphasized upon enough, when it comes to safeguarding the interests of family members, ensuring proper distribution of wealth as per the wishes of the deceased; it also plays a big role in preventing any family disputes, legal delays, legal costs and other unwanted situations. One can choose a good online will solution or lawyer, or even make the will himself/ herself.

## What is a nomination ?

In the legal context, nomination is only a provision for the claiming of property by the nominee as 'custodian', in case of the death/ demise of the owner of the property. However, there are some key aspects to note in this scenario:

- The nominee can only claim the property in case of death of the property owner
- He/ she will only be the trustee/ custodian for a temporary duration, until the establishment of the legal heir to the property/ estate, as per the Succession Act (or Will)
- Thereafter, the nominee will hand over the property/ estate to the legal heir/ heirs, as per the law
- The nominee and legal heir are different parties; the nominee may be the legal heir in case he/ she has been nominated for assets/ wealth, while his/ her name is also declared in the will as the clearly stated legal heir

☑ Minor children may have guardian nominees who will hold responsibility for looking after the welfare of these children and safeguarding their share of the wealth of the deceased. A family trust or private trust may also be created for the benefit of children and legal heirs, in many cases

## Why Do People Appoint Nominee ?

So you might be wondering if the nominee is not the sole owner, why does such a concept exist in the first place ? It is simple. When you die, you want to make sure that the Insurance company, Mutual fund or your Shares should not stay with the companies and go to someone you trust, and who can further help, in process of passing it to your legal heirs. Otherwise, if a person dies and has not nominated anyone, your legal heirs will have to go through the process of producing all kind of certificates like death certificates,



proof of relation etc. The whole process is highly time to consume! (The process needs to be repeated for each legal entity – The insurance company, the mutual funds, for the shares, for the real estate...) So, to simplify, if a nominee exists, such hassles are avoided, since the company is bound to transfer all your money or assets to the nominee.

process of passing it to your legal heirs. Otherwise, if a person dies and has not nominated anyone, your legal heirs will have to go through the process of producing all kind of certificates like death certificates, proof of relation etc. The whole process is highly time to consume! (The process needs to be repeated for each legal entity – The insurance company, the mutual funds, for the shares, for the real estate...) So, to simplify, if a nominee exists, such hassles are avoided, since the company is bound to transfer all your money or assets to the nominee.

### **Who is the legal heir ?**

The legal heir, as opposed to the nominee, is the individual who has the right and entitlement to succeed to the wealth and property of the deceased individual, under the signed legal will else personal succession law applicable. The person deceased, as the key inheritor, will mention the legal heir clearly in the will. The legal heir can be one person or multiple persons as well. If there is no will or stated legal heir, the property will be equally distributed as per the Hindu Succession Act, under the following tenets:

- Equal distribution amongst all Class 1 heirs
- In absence of Class 1 heirs, equal distribution amongst Class 2 heirs
- In case of no Class 2 heirs, distribution amongst Agnates and then Cognates
- In case of no one being present, the Government takes the property/ estate of the person deceased
- As a result, it can be seen that the nominee is only the trustee of the property and has to hand the same over to the legal heir of the property, based on the will made by the person deceased.

### **What is the difference between Legal heirs and nominee ?**

According to law, a nominee is a trustee and not the owner of the assets. At the end of the day, he is just a guardian of your advantages. The nominee will just hold your asset as a trustee and will undoubtedly move it to the legitimate beneficiaries. A lawful beneficiary will be the one who is referenced in the will. However, if a will is not made, then the legal heirs of the assets are decided according to the succession laws, where the structure is predefined on who gets how much.

On a comprehensive understanding of legal points of reference throughout the years and the situation of law on this point now, it very well may be settled that Legal beneficiary is a definitive, rightful owner of the assets of a deceased individual {either through intestate or testamentary succession}; An individual who is named nominee of the assets of the deceased will get and hold the assets of the deceased promptly upon the death of the person.

The benefits of the legal heir to the riches is indefeasible. Fundamentally, the legitimate beneficiaries of a deceased who is hitched are companion, youngsters, and guardians, while, in the event of an unmarried deceased person, his or her parents and kin would be an ultimate legal heir.

In the year 2016, Bombay High Court laid to rest the position of a nominee versus a legal heir with the shares of an Indian company. The Court held that a nomination does not override the laws of succession in India. A nomination is made to ensure that the estate of the deceased is protected until such time the legal representatives of the deceased can take appropriate steps towards succeeding in such estate. Thus, the nominee of shares of an Indian company is not the legal owner of the shares, and therefore, the legal heirs of the deceased shareholder would have a rightful claim over such shares.

**Conclusion:**

Just investing knowledge, is not enough to have a great financial life. You also need to be well versed with basic legal aspects and make sure you carry out all due arrangement. You should be well aware of the difference between a nominee and a legal heir and make arrangements accordingly.



# Violation Of Right To Health As A Fundamental Rights In Covid 19 Situation (Migrate Worker): A Study”

(PRINCIPAL, BA.LLB.LLM.PHD)

Samarpan School of Law



## Introduction :

This Research work on the subject “VIOLATION OF RIGHT TO HEALTH AS A FUNDAMENTAL RIGHTS IN COVID 19 SITUATION (MIGRATE WORKER): A STUDY”

On 31 December 2019, World Health Organization (WHO) - was warned about group of pneumonia patients in Wuhan city of china. On 7 January 2020 around one week later Chinese authorities have confirmed that they had identified a novel coronavirus as the cause of the pneumonia. The interim virus named as 2019 nCoV. Ever since the first cases were reported, WHO and its partners have been working with Chinese authorities and global experts to learn more about the virus, including how it is transmitted, the populations most at risk, the spectrum of clinical disease, and the most effective ways to detect, interrupt, and contain human-to-human transmission.

In Wuhan city of China It was first identified in December 2019, and has since spread globally, resulting in an ongoing pandemic. Fever, cough, fatigue, shortness of breath, and loss of smell and taste are the common symptoms of the corona virus. Although the majority of cases result in mild symptoms, some progress to acute respiratory distress syndrome (ARDS) likely precipitated by cytokine storm, multi-organ failure, septic shock, and blood clots. Expected time from exposure to onset of symptoms is typically around five days but may range from two to fourteen days.

This virus is mostly spread between people during close contact, most often via small droplets produced by coughing, sneezing, and talking. The dewdrops frequently fall to the ground or on to surfaces rather than distances. Due to this people may

become infected by touching a contaminated surface and then touching their face. This virus is most transmissible during the first three days after the beginning of symptoms, although spread is possible before symptoms appear from people who do not show symptoms. The standard method of diagnosis is by real-time reverse transcription polymerase chain reaction from a swab. World health organization (WHO) is working day and night to analyses data to provide advice. so that they can coordinating with partners for helping countries to prepare and increase supplies so that they can manage expert networks.

According to the WHO, there are no available vaccines nor specific antiviral treatments for COVID-19. As on 1stMay, 2020, the United States gave Emergency Use Authorization to the antiviral remdesivir for people hospitalized with severe COVID-19. US government involves the treatment of symptoms,

supportive care, isolation, and experimental measures. The (WHO) acknowledged the COVID-19 outbreak a Public Health Emergency of International Concern (PHEIC) on 30 January 2020 and a pandemic on 11 March 2020. Transmission of the disease by the local people has occurred in most countries across all six WHO regions.

As per the WHO, It also calls for an independent and comprehensive evaluation of the global response, including, but not limited to its performance. It also allows for the intensification of efforts to control this recent pandemic, and for equitable access to and fair distribution of all essential health technologies and products to combat the virus. Ministers of health from almost every country in the world have been summoned by the WHO, the regular message throughout the two-day meeting including from the 14 heads of state participating in the day to day sessions was that global unity is the most powerful tool to battle the epidemic. The determination is a concrete appearance of this call, and a roadmap for controlling the outbreak.

No medicine or vaccine is approved to treat the disease yet. World-wide research on vaccines and medicines in COVID-19 is on-going by government institutes, academic groups, and industry researchers. In the month of March the World Health Organisation initiated the "SOLIDARITY Trial" to assess the treatment effects of four existing antiviral compounds with the most promise of efficacy. There has been a great deal of COVID-19 research, involving accelerated research processes and publishing shortcuts to meet the global demand. To reduce the harm from misinformation, medical professionals and the public are advised to expect rapid changes to available information, and to be attentive to retractions and other updates. There are various agencies like The World Health Organization (WHO), European Medicines Agency (EMA), US Food and Drug Administration (FDA), and the Chinese government and drug manufacturers were coordinating with educational and industry researchers to hurry development of vaccines, antiviral drugs, and post-infection therapies. The International Clinical Trials Registry Platform of the WHO recorded 536 clinical studies to develop post infection therapies for COVID-19 infections, with numerous established antiviral compounds for treating other infections under clinical research to be repurposed.

Until now 21st May, 2020 there are more than 5.07 million cases have been reported across 188 countries and territories, among them there are more than 332,000 deaths have been reported and more than 1.93 million people have been recovered. World trade organisation (WTO) Director-General Roberto Azevedo said that this crisis (COVID- 19) is first and foremost a health disaster which has forced governments to take extraordinary measures to protect people's lives.

The extensive range of opportunities for the forecast of failure is explained by the unprecedented nature of this health crisis and the uncertainty around its precise economic impact. On the other hand WTO Researcher's believe the decline will likely exceed the trade decline brought on by the global financial crisis of 2008 09. Approximations of the estimated loss in 2021 are equally uncertain, with consequences depending largely on the duration of the outbreak and the effectiveness of the policy responses.



World trade organisation (WTO) Director-General Roberto Azevedo said that inevitable declines in trade and output will have painful moments for households and businesses, on top of the human suffering caused by the disease itself. The instant aim is to bring the pandemic under control and mitigate the economic damage to people, companies and countries.

These figures are horrible there is no getting around that. But a rapid, vigorous rebound is possible. Choices taken now will regulate the future shape of the recovery and global growth prospects. We must have to lay the brass tacks for a strong, sustained and socially inclusive recovery. Line of work will be an important element here, along with fiscal and monetary policy. Observance markets open and expectable, as well as development a more generally favourable business environment, will be critical to spur the renewed investment we will need. And if other nations work together, we will see a much faster retrieval than if each country acts alone.

Providing occupational health and safety measures for protecting health workers and is also fundamental for well-functioning and resilient health systems, quality of care and maintaining a productive health workforce. Health workers face a range of occupational risks associated with biological, chemical, physical, ergonomic and psychosocial hazards affecting the safety of both health workers and patients. The researcher plans to trace the various problems in the situation of COVID- 19 by keeping in mind the following major objectives which are as under:

### **POSITION OF MIGRANT WORKERS**

Indian migrant workers during the COVID-19 pandemic have faced multiple hardships. With factories and workplaces shut down due to the lockdown imposed in the country, millions of migrant workers had to deal with the loss of income, food shortages and uncertainty about their future. Following this, many of them and their families went hungry. Thousands of them then began walking back home, with no means of transport due to the lockdown. In response, the Central and State Governments took various measures to help them, and later arranged transport for them. 198 migrant workers died due to the lockdown, with reasons of road accidents.

There are an estimated 139 million migrants in the country, according to the World Economic Forum. The International Labour Organization (ILO) predicted that due to the pandemic and the lockdown, about 400 million workers would be poverty-stricken. Most migrants in the country originate from Uttar Pradesh and Bihar, followed by Rajasthan and Madhya Pradesh. The cities of Mumbai and Delhi attract the highest number of migrants in India. While most men migrate for work, women migrate due to marriage.

Millions of migrant workers are anticipated to be left unemployed in India due to the lockdown and subsequent fear of recession. Many of the migrant workers have returned to their villages, and many more are just waiting for the lockdown to be lifted. The risk is particularly higher for those who are working in unorganized sectors, and those who do not have writer contracts, or those whose contracts

are at the verge of completion. The lockdown and the subsequent recession are likely to first hit contract workers across many of the industries. On the one hand, lockdowns and social distancing measures are drying up jobs and incomes, whereas they are likely to disrupt agricultural production, transportation systems, and supply chains on the other. This poses a challenge of ensuring food security and controlling already rampant malnutrition, particularly among children, which is likely to result in increased infant and child mortality. There is a need to relook at the national migration policies, which should accommodate the assistance and protection of migrants arriving from, or faced with the prospect of returning to, areas affected by health crises. Also, there is a need to establish resilient food systems that could reduce food insecurity and the pressure to return to origin among migrants.

This Corona Virus pandemic may wreck the Indian economy. The level of GDP may further fall, more so when India is not immune to the global recession. In fact, it is believed that India is more vulnerable, since its economy has already been ailing and in a deep-seated slowdown for several quarters, much before the COVID-19 outbreak became known. The Prime Minister of India has already spoken of setting up an Economic Task Force to devise policy measures to tackle the economic challenges arising from COVID 19, as also on the stability of Indian economy. However, the concrete plans would have to be kept in place to support the economy and its recovery

## **Literature review**

### **5.1. The Neem tree - A Case History of Bio piracy:**

A classic case of bio piracy by transnational corporations is that of the neem tree in India. Vandana Shiva provides the background to this attempt to appropriate an invaluable biological resource of the South.

DURING 1994, Indian farmers staged one mass demonstration after another against the proposed GATT Uruguay Round agreement. In March about 200,000 gathered in Delhi demanding, among other things, that the draft treaty - known colloquially as 'the Dunkel draft after chief negotiator, Arthur Dunkel - should be translated into all Indian languages. On 2 October, about half a million converged upon Bangalore to voice their fears about the impending legislation, aware of the threat that GATT poses to their livelihoods, by allowing multinational organizations to enter Third World markets at their expense.

#### **8.1.1 Patent Appeal:**

For centuries the Western world ignored the neem tree and its properties: the practices of Indian peasants and doctors were not deemed worthy of attention by the majority of British, French and Portuguese colonialists. However, in the last few years, growing opposition to chemical products in the West in particular to pesticides, has led to a sudden enthusiasm for the pharmaceutical properties of neem.



According to one of the members of the NRC panel, "In this day and age, when we're not very happy about synthetic pesticides, [neem] has great appeal. This appeal is blatantly commercial. The US pesticides market is worth about \$2 billion. At the moment biopesticides, such as pyrethrum, together with their synthetic mimics, constitute about \$450 million of this, but that figure is expected to rise to over \$800 million by 1998. Squeezing bucks out of the neem ought to be relatively easy," observes Science magazine.

There is a growing awareness throughout India that the commoditization of neem will result in its expropriation by multinational companies. On 15 August, Indian Independence Day, farmers in the state of Karnataka rallied outside the offices of the District Collector in each district, to challenge the claims of those multinational companies such as W R Grace demanding "intellectual property rights". The farmers carried neem branches as a symbol of collective indigenous knowledge. (Shiva, 2022)

## **5.2. In the Famous Case of Darcy V. Allein**

Often known as Case of Monopolies, a monopoly was granted to a merchant exclusively to import, manufacture and sell playing cards, though the King's Bench struck down the monopoly right and held that monopoly was illegal at common law which was otherwise, misuse of power during reign of James I. But in 1624, the English Parliament passed the Statute of Monopolies, thereby prohibiting monopolies for the sole buying, selling, making, working or using of anything within England.

Several extracts of neem have recently been patented by US companies, and many farmers are incensed at what they regard as intellectual piracy. The village neem tree has become a symbol of Indian indigenous knowledge, and of resistance against companies, which would expropriate this knowledge for their own profit

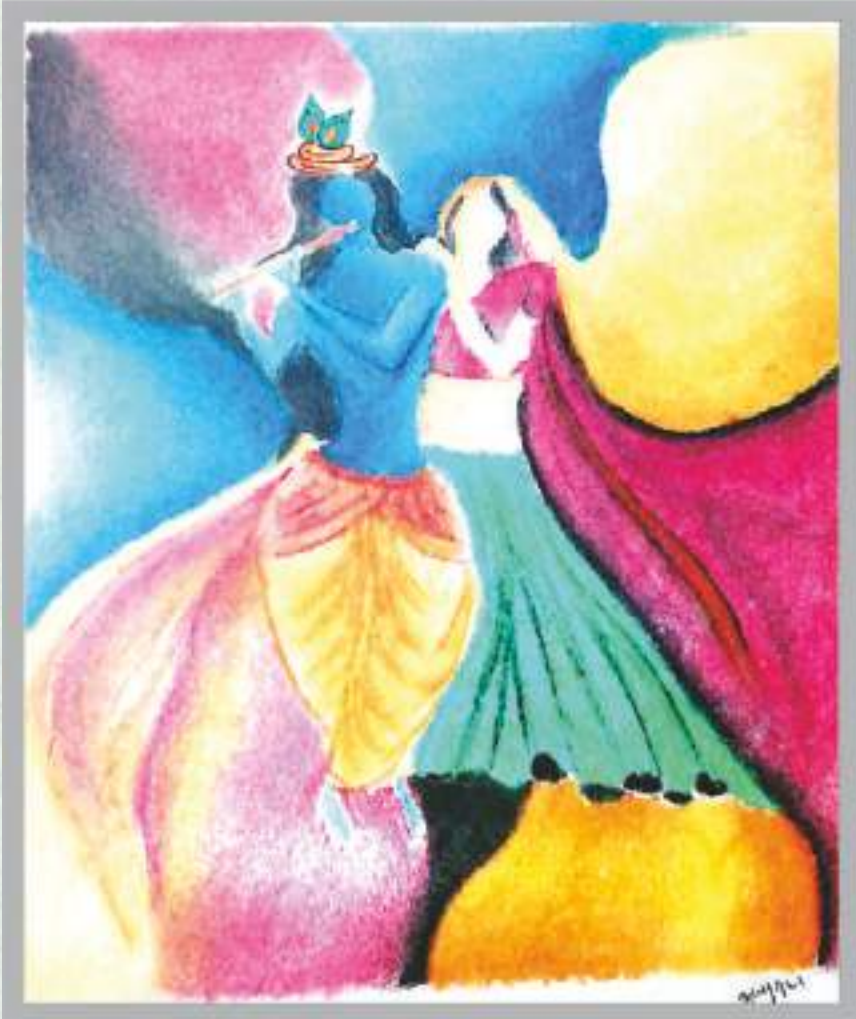
The Patent Act of 1790 was the America's first patent statute. The Act was entitled "An Act to Promote the Progress of Useful Arts". It provided patent protection for a period of 14 years for inventions that were "sufficiently useful and important."

Main economic issues of intellectual property rights (IPRs) protection in the context of the World Trade Organization (WTO). A retrospective view on the establishment of the TRIPS (trade-related aspects of intellectual property rights) Agreement, a still controversial accomplishment of the Uruguay Round of trade liberalization, is provided. The paper reviews the economic rationale for the harmonization of IPRs, drawing both on economic theory considerations as well as emerging empirical evidence. The logic of linking IPR protection and trade in the context of the WTO is also re-examined. Some specific attention is devoted to the implications of TRIPS for agricultural and biotechnology innovations. The impact that IPR protection can have in promoting growth and development, and the relation of IPRs with other economic policies, is discussed. The paper concludes with an analysis of the prospects for more (or less) IPRs-related consensus in the current round of WTO negotiations. (Intellectual Property Rights and the WTO : Retrospect & prospects, 2020) 2

**MEDIA GALLERY**



**Anjali Yadav**





**Group Photo with Former Prime Minister, Dr. Manmohan Singh**



**Group Photo with Hon Governor of Gujarat and  
Hon President of India**





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