

Shri Manibhai Virani and Smt. Navalben Virani Science College (Autonomous)

Affiliated to Saurashtra University, Rajkot



Meeting of the
Internal Quality Assurance Cell

28th February 2019

Accredited at the 4 Star (3.27 CGPA) by GSIRF-2019
Re-accredited at the 'A' Level (CGPA 3.28) by NAAC
G-AAA Grade A1 by KCG Govt. of Gujarat
'STAR' College Scheme & Status by MST-DBT
College with Potential for Excellence (CPE) Phase-I & II by UGC
Nodal Center for Capacity Building by GSBTM, Govt. of Gujarat
Gujarat Pollution Control Board - GPCB approved Environmental Auditor
Deendayal Upadhyay KAUSHAL Kendra by UGC
1st Rank in Gujarat & 37th Rank in All India by NIRF-2017, MHRD, New Delhi

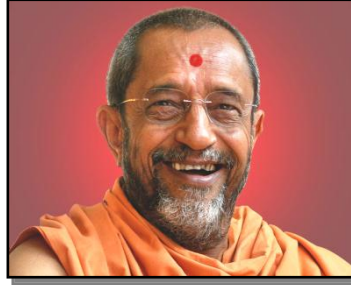
: Vision :

To be a premier Institution of Science, Technology and Human values, aiming at the holistic sustainable development of youth, society and mother earth, leading to excellence

: Mission :

- To create, acquire and disseminate knowledge, fostering skills and global competence among the students, through the intellectual facilitators, teachers and mentors, the “Gurus”.
- To provide holistic science education through well structured relevant programmes, learner centric approaches, pedagogic innovations, along with the adoption of modern technologies and strategies.
- To provide dedicated qualified and competent faculty, state-of-art infrastructure and other support facilities to facilitate better learning and research activities.
- To motivate teachers and students to develop research culture and undertake scientific investigation to realize their scientific creativity, contributing to sustainable development as a means of better life and living.
- To inculcate lived values, culture, morality and spirituality in the heart of youths to foster universal brotherhood, patriotism, righteous living and selfless service through the practice of “ATMIYATA” and “Gurukul”.
- To protect and promote Indian culture, heritage, and respect Indian Constitution and global charter of human rights and environmental protection.
- To make youth self reliant and productive through proper employment or entrepreneurship, ultimately in the service of society and humanity.
- To establish linkages and collaborations for the betterment of the educational process and objectives.
- To promote strategies and activities towards the overall personality development of youth, through defined student support and welfare systems.
- To facilitate cultural, sports and community development activities involving all stakeholders, as a means of institutional social responsibility.
- To aim at innovations and adopt best practices to move towards excellence.

: Presidential Message :



H.D.H. Shree Hariprasad Swamiji

Yogi Divine Society, Haridham, Sokhada, Vadodara.

Sarvoday Kelavani Samaj, Rajkot.

All religions contain at their core a spiritual essence that leads to the ultimate reality, the “**Paramatma**”. The **Swaminarayan Faith / Sampraday**, founded by **Shree Sahajanand Swami (Lord Swaminarayan)** is rooted in the **Vedic** traditions. The faith focuses on salvation through total devotion (or bhakti) to the God developed through virtues (dharma), spiritual wisdom (gnana) and detachment (vairagya). The Swaminarayan Sampraday is devotion-focused and advocates God within the disciplines of virtues.

Guruhari Yogiji Maharaj, as the fourth heir in this tradition of **Gunatit Saints**, was the epitome of saintliness. He created a Commune of educated “**Sadhus**” and put forth a mission – “**My heart is all for the Youth**”. His compassionate love was expressed through his special interest in channelizing the Youth towards a life of righteous conduct and spirituality. This visionary’s endeavour has been nurtured and expanded into a worldwide network of centers of **Yogi Divine Society**, all involved in educational, social, cultural, religious as well as spiritual activities and up-liftment projects for the holistic development of Youth.

YOGIDHAM is a unique Educational Complex blessed with the divinity of **Lord Swaminarayan** and the spiritual principles of **Guruhari Yogiji Maharaj**. The environment of this educational center provides spiritual nourishment that reinforces the rich cultural and spiritual traditions of Indian culture. Here, the focus is to inculcate the fundamental values of morality and ethics along with the basic aim of imparting quality education; thereby we seek to build characters that will be recognized for their positive attitude, discipline, determination and integrity of character. These individuals will be the pride of their families, society and nation.

With sincere prayers and blessings for you all to be able to experience and enjoy real peace, bliss and happiness.

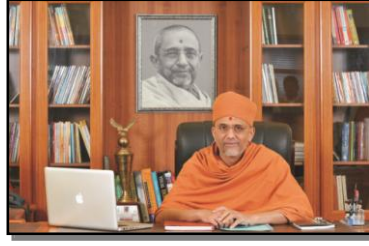
O Lord!

**Whether anyone else becomes “ATMIYA” or not,
Please make me “ATMIYA”**



Sadhu Hariprasaddas

: Secretarial Message :



**P. P. Tyagvallabh Swamiji
Sarvoday Kelavani Samaj, Rajkot.**

“GURU” is a teacher who steers **“SHISHYA’s”** life; He is a spiritual mentor who leads the *Shishya* (learner) from darkness and ignorance to wisdom, bliss and enlightenment. Guru-Shishya parampara has been an inevitable component of education since ages. It has amalgamated the convention of a living and learning correlation, involving Guru and Shishya, and has been signifying the emotional, intellectual and spiritual bond between them.

The living science of education i.e. “Bio Psycho Psychic Science” in our culture has been long lost due to ignorance of the people under blind pursuit of the foreign culture. The restoration of this spirit and its practice in the field of education at all levels is the pressing need of our time. The traditional scientific educational culture can be the real “SADHANA” in this era of Science and Technology.

We strongly believe in GURU SHISHYA PARAMPARA since it has nurtured a dream of molding the future citizens of our motherland by equipping them with the latest and the best knowledge in the ambience of a GURUKUL. This is the sole endeavor of setting up YOGIDHAM which is analogous to “ASHRAM”. Here immense care is taken to ensure the emotional, intellectual and spiritual development of students in tune with revered GURU and SAINT.

Under the able guidance of H.D.H. Shree Hariprasad Swamiji, the President of Yogi Divine Society, we are marching ahead to realize the vision and mission of the society and the trust.

Swamiji says,

***“Language of God is Love,
Expression of God is Spiritual Harmony and
Message of God is Universal Brotherhood”***

H.D.H. further says,

“Youths are neither careless nor useless, they are actually cared-less and used-less. All they need caring compassionate heart and appropriate guidance”. In order to realize this vision, we at Sarvoday Kelavani Samaj are providing meaningful and purposeful education together with value education leading to holistic human development and a humane society.

We are committed to provide the students with a conducive and productive learning experience. We also ensure that students complete their studies with substantially enhanced skills and abilities. Our students are well equipped to accomplish their career and contribute to our society in many worthwhile ways.

We are committed to quality sustenance and enhancement.

Sadhu Tyagvallabhdas

Dear All,

Greetings from Shri Manibhai Virani and Smt. Navalben Virani Science College (Autonomous).

I have immense pleasure in extending cordial and sincere invitation in meeting of Internal Quality Assurance Cell (IQAC) on 28th February, 2019 at 11:00am in our IQAC room, 1st floor, MNVSC-A building. I request you to kindly make it convenient to attend the same and it is scheduled to discuss the agenda given below:

Agenda:

- 1) To consider the AQAR reports for the AY 2013-14, 2014-15, 2015-16, 2016-17 & 2017-18 submitted to NAAC.
- 2) An overview of activities of AY 2018-19.
- 3) A new initiatives – a brief presentation.
- 4) NIRF-2019 & GSIRF-2019.
- 5) Proposed future plans.
- 6) Discussion on the quality perspectives.
- 7) Any other matter.

I request your fecund suggestions in our fervent stride to reach academic excellence, help ourselves and our students to appreciate the essential complementary relationship between values & skills to ensure sustained happiness and prosperity – the core aspiration of human being.

Thanking you.
Yours Sincerely,



Dr. K. D. Ladva
Principal,

Shri Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot.

: IQAC Members :

For the AY 2017-18 & 2018-19

Chairperson	Dr. K. D. Ladva	Head of the Institution
Senior Administrative officers	Dr. V. M. Kanabar	Library
	Mr. H. N. Donga	ICT Resources & Digitalization
	Shree Paragbhai	Infrastructure Resources
	Mr. J. H. Hirani	Administration
	Mr. H. R. Kavathiya Mr. Tejas Chag	Account
Teachers	Dr. M. S. Vadodariya	Chemistry
	Mr. J. N. Chauhan	Mathematics
	Dr. M. L. Savaliya	Industrial Chemistry
	Dr. S. M. Patel	Biotechnology
	Dr. N. J. Faldu	Microbiology
	Dr. S. J. Shah	Biochemistry
	Dr. S. C. Patel	CS & IT
	Ms. S. D. Oza	English
	Mr. Jigar Ratnottar	VECD Cell
Management	Shree Dharmesh Jivani	SKS Trust
Nominees	Mr. Bhavesh Gadhetariya	Local Society
		Student
	Dr. Anil Ambasana	Alumni
Nominees	Dr. A. C. Pandya	Employers
	Dr. Punit Rasadiya	Industrialists
	Mr. Mansukhbhai Teraiya	Stakeholders
Senior Teacher	Er. R. S. Tank	Coordinator

: About the Institution :

As one of the oldest colleges in the region, Shri Manibhai Virani and Smt. Navalben Virani Science College has attained eminence above every seat of learning, and won the praises of the academicians, patrons, philanthropists, bureaucrats, elected representatives of the state and men of wisdom from different beliefs by virtue of its antiquity, curriculum, doctrine and privileges.

Till 1960, the available academic facilities in the Saurashtra region were sparse which persuaded Sarvoday Kelavani Samaj, Rajkot with righteous endeavors to inaugurate Shri Manibhai Virani and Smt Navalben Virani Science College in June 1968 by offering Chemistry as a principle subject at UG level under the aegis and endowment of Virani Family. To start with, since 1968 the college is affiliated to Saurashtra University.

From its early days, the college encountered many tumbling blocks of administration, management, fiscal crisis in its academic itinerary to provide learners with joyous experience. The late 20th century was said to be an era of academic conviction, scientific and technological revolution. Still the chronicle of growth and development was negligible. Hence almost after a decade of its establishment Yogi Divine Society of Haridham in Sokhda village of Baroda district which has been rendering its benevolent services took over Sarvoday Kelavani Samaj trust and started managing Shree Manibhai Virani and Smt Navalben Virani Science College since 1988 with its sanctified ideals of *Samp - Suhradbhav - Ekta - Atmiyata*. (Harmony - Brotherhood - Unity - Spirituality). H.D.H. Shree Hariprasad Swamiji as the president of Yogi Divine Society, Baroda has been providing the dynamic leadership, direction and divine blessings.

Sarvoday Kelavani Samaj aspired to revitalize its intact academic set up and brought in paradigm changes with coordinated efforts of all its personnel under the versatile leadership of the trustee and Hon. Secretary P. P. Tyagvallabh Swami. Additional programs were added in course of time to the science stream to grow and develop further under grant in aid and self financed mode. The college was included under 2(f) and 12 (B) of UGC in 1967 and 1989 respectively.

These 25 years since 1988 onwards have been a period of academic escalation in Shri Manibhai Virani and Smt Navalben Virani Science College. The college has made thoughtful investment in creating and strengthening infrastructural facilities to facilitate teaching, learning and research. The college's learner centric approach in teaching-learning and research is consistently excels with appropriate facilities and resources to provide an intelligently designed environment and state of art learning conveniences. The Collegiate system fosters a sense of community between tutors and students as well as among other societal stakeholders.

The college is synonymous to an Ashram set up with a sole endeavor and aim of developing the students intellectually, socially, emotionally and most important spiritually. The learners lead active lives outside the classroom and lab too. There are numerous activities centered on campus. This green campus is the perfect place for various forms of outdoor recreation. Students participate in our extensive intramural extracurricular activities round the year to compete at state and national level. The winners are felicitated by mementoes, trophies and certificates of excellence. The literary, artistic and creative mind set is also being nurtured through various co-curricular and extracurricular activities. The creative aspect of students is not only restricted to curricular and co-curricular or extracurricular activities but it spreads over application of learning in their real lives too.

It is not just academic excellence that offer the college its special character but also it's well thought out curricular system which underpins a culture of close academic supervision and careful personal support for the students. This fusion fosters the intense interdisciplinary approach that inspires much of the outstanding research and development suited to confronting many of the complex challenges thereby making Shri Manibhai Virani and Smt. Navalben Virani Science College a prominent learning place.

The college is proud to announce the conferment of autonomous status by the UGC from 2012-2013 for 6 years, vide its letter No. F-22-1/2012(AC) dated 16-01-2013 and the institution received approval of Saurashtra University and State Government for the same in 2015. Hence, the college could implement Autonomy from the AY 2016-17 & onwards.

Thus we have contributed and continue to do so to realize the five core values.

- Inculcating Value based and Skill based education to ensure sustained happiness and prosperity.
- Contributing to National Development.
- Fostering global competencies among students.
- Promoting use of ICT and upcoming technologies in the field of study.
- Quest for Excellence.

Salient features:

There are a few milestones which the college has achieved in a due course of time

- Is an Institution dedicated for science education offering UG – PG – Research Programs with very good enrolment and student profile also reflective of gender empowerment.
- Has been recognized by UGC under 2(f) & 12(B), affiliated to Saurashtra University, Rajkot.
- Is a Coeducational, Grant-in-aid under Government of Gujarat and is also offering some courses in SF mode as per University & State Government rules.
- Is actively engaged in research activities – Projects and Publications, guidance to Doctoral research.
- Has introduced of 3 UGC innovative PG programmes & several COPs.
- Has been availing of financial resources from UGC, DBT, DST for infrastructure, courses, research projects and student amenities.
- Has a provision of computerized library with ample of e-resources.
- Has a provision of good student support facilities and service, good laboratory facilities well equipped with high end machines and instruments.
- Has been achieving outstanding University results with top Ranks.
- Students have excelled in the field of sports, cultural, NCC and NSS activities.

Attainments

- Premier Science College in the region since 1968, offering UG, PG & Ph.D. Programs, besides UGC sponsored Career Oriented Programmes (COP).
- UGC sponsored Innovative M.Sc. Programmes in THREE Disciplines.
- Accredited at the 4 Star (CGPA - 3.27) by GSIRF-2019

- 1st Rank in Gujarat & 37th Rank in All India by NIRF-2017, MHRD, New Delhi.
- UGC – DDU KAUSHAL Kendra: Bachelor of Vocation (B.Voc.) Program in FIVE Disciplines & Master of Vocation (M.Voc.) Program in TWO Disciplines.
- NAAC accreditation at 'A' Grade (Cycle-1) and Re-accredited at the 'A' Grade with CGPA-3.28 (Cycle-2).
- College with Potential for Excellence (CPE) Phase-I & II by UGC, since 2010.
- STAR College Scheme and Status by DBT-MST
- G-AAA Grade-I by Knowledge Consortium of Gujarat, Govt. of Gujarat, since 2013.
- GPCB approved Environmental Auditor (Schedule-I & II), since 2012,
- GSBTM (Gujarat State Biotechnology Mission) Nodal Center for Capacity Building.

: Programmes Offered :

A. UG Programmes

1. B. Sc. Chemistry
2. B. Sc. Microbiology
3. B. Sc. Biotechnology
4. B. Sc. Industrial Chemistry
5. B. Sc. Mathematics
6. B. Sc. Biochemistry
7. B.Sc. Physics
8. B.Sc. Applied Microbiology
9. B. Sc. Information Technology
10. Bachelor of Computer Application

B. UGC Sponsored B.Voc. Programs

1. B.Voc. Chemical Technology
2. B.Voc. Pharmaceutical Analysis and Quality Assurance
3. B. Voc. Radiation & Imaging Technology
4. B.Voc. Advance Computer Technology
5. B.Voc. Medical Laboratory & Molecular Diagnostic Technology

C. PG Programmes

1. M. Sc. Chemistry (Analytical Chemistry / Organic Chemistry)
2. M.Sc. Information Technology & Computer Application
3. M. Sc. Microbiology
4. M. Sc. Biotechnology
5. M. Sc. Industrial Chemistry
6. M.Sc. Mathematics

D. M.Voc. Programmes

1. Chemical Technology
2. Pharmaceutical Analysis & Quality Assurance

D. 5 years Integrated B.Sc.-M.Sc. Programmes

1. Chemistry
2. Mathematics
3. Microbiology

E. UGC Sponsored Career Oriented Programmes

1. Plant Tissue Culture & Molecular Technology(Certificate)
2. Environmental Auditing and Monitoring(Certificate)
3. Bioinformatics (Certificate & Diploma)
4. Medical Laboratory Technology(Certificate)

: Notes to Agenda :

The meeting started with soliciting the divine blessings of H.D.H. P.P. Hariprasad Swamiji Maharaj and Lord Swaminarayan. Dr. K.D. Ladva, Chairperson of the Committee, welcomed the members for the IQAC meeting.

1) To consider the AQAR reports for the AY 2013-14, 2014-15, 2015-16, 2016-17 & 2017-18 submitted to NAAC.

The AQAR reports for the AY 2013-14, 2014-15, 2015-16 & 2016-17 submitted to NAAC on 27th December, 2019 and AQAR report for the AY 2017-18 submitted to NAAC on 28th December, 2019. The respective AQAR reports are also hosted on the college website. A hardcopy of the same is also kept in the IQAC.

2) An overview of activities of AY 2018-19.

The AY 2018-19 is being special as it is the golden jubilee year of this college. Many activities have been planned and being executed for making it a memorable one.

The Golden Jubilee year had 52 weeks out of which 40 weeks in the Academic year including 6 weeks were for semester end examinations and 4 weeks for internal examinations. Hence only 30 weeks for effective academics wherein, besides general learning experiences, learning of all stakeholders happened through

- 55 events conducted
- Broadly under 4 categories containing 7 sub-categories.

The categories and sub categories were:

- A. Capacity Building
 - I. Faculty members
 - II. Support staff

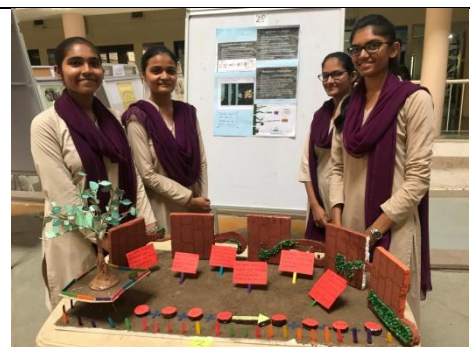
- B. Student Initiatives
 - I. Academic trainings
 - II. Academic presentations
 - III. Competitions

- C. Outreach & Social Activities

- D. Exhibitions & General activities
 - I. Exhibitions
 - II. Celebrations

**Model Exhibition
“Snoop to Microbiome”**

The under graduate students have presented the static models on ecological interactions and application of Microbiome. The theory and experimental facts related to Microbial interactions - Mycorrhizae, Bioleaching, Bioremediation phenomena etc. have been explained effectively through models.



Swachhata Abhiyan

The GORAS MELA (Janmastmi Fair- 2018) lasted for around 120 hours where around 5 lakhs people visited the same during Janmastmi festivals. Team Computer Science & Information Technology and RMC collectively took up this task and invested 1350 Man hours to clean and segregate the general and plastic waste.

The college have also conducted cleanliness drive from campus to Saurashtra University via Prem mandir Kalawad road on the birth anniversary of Mahatma Gandhi.



Road Traffic Safety Awareness

The methods and measures used to prevent road users from being killed or seriously injured; have been presented by Joint Commissioner of Police and CEO- RTO Rajkot on 8th December 2018. More than 1000 students of first year have been benefited.



Information Literacy Workshop

The Ph.D. chemistry students of Saurashtra University were exposed to operation and applications of sophisticated instruments like HPLC, GCMS, MPAES, Flow hydrogenator, Flash chromatography etc. In the second half the students were given hands on experience in the use of various e-resources like Science direct , N- LIST, Mendeley etc.



**Hands-on Workshop
Basics of Stem Cells**

Dr. Jaymesh Thadani, Stem Cell Scientist, Total Potential Cells (P) Ltd, Vadodara and Ms. Shivani Vakodikar (Virani Alumnus), Technical Assistant, Genetic Division, Schamka Technology, Vadodara delivered lectures on basic of Stem Cells Research, Cell Lines, Characterization and Flow Cytometry followed by hands on experience to PG students on isolation & culturing of cord blood cells and evaluation of cultivation of cells during August 2018.



***Hands-on Training
CPR-COLS***

Dr. Jaman Sakaria, Kalindi Hospital delivered a talk on importance of CPR followed by a demonstration. Team of Society of Anesthesiologists including former Gujarat state anesthesiologist Dr. Ashit Vaishnav trained students of the college in CPR - an emergency procedure that combines chest compressions often with artificial ventilation in an effort to manually preserve intact brain function until further measures are taken to restore spontaneous blood circulation and breathing in a person who is in cardiac arrest.



Breast Cancer Awareness

The students were introduced to the challenges & solutions offered to Breast cancer patients. Dr. Darshna Pandya, Gynecologist, Ashutosh Maternity Hospital enlightened the students with the symptoms and treatment of Breast Cancer – 29th Sept. 2018.



Free Eye Check-up Camp

Dr. Anurath Savaliya, Savalia Hospital have introduced stakeholders of the college to eye disorders, diseases and eye care. More than 800 stakeholders have been examined by Dr. Shilpa Goraniya, Dr. Shreyabaa Rajput and team of Savalia Hospital for two days in the month of September 2018. The advanced treatment for free was also facilitated by Savalia hospital.



SDP - "Good Laboratory Practices"

The laboratory assistants of Life sciences departments were trained in calibration & maintenance of minor instruments & equipments along with Laboratory records keeping. They have been also exposed to new techniques & protocols for UG practical courses. The SDP was conducted by PG students who have received summer training @ Ruia College, Mumbai.



***Model Exhibition
Central Dogma of Life &
Common Health Diseases***

The students of vocational program have presented conceptual models representing Central dogma of Life and Common Health Diseases like Cirrhosis, Atherosclerosis, Myocardial Infection, Goiter, certain Genetic Disorders, Kidney Stone, COPD, Diabetes mellitus, Gout and Rheumatoid Arthritis etc.



BMI checkup camp

Body Mass Index (BMI) is a person's weight in kilograms divided by the square of height in meters. A high BMI can be an indicator of high body fatness. BMI can be used to screen for weight categories that may lead to health problems but it is not diagnostic of the body fatness or health of an individual. Total 600 + students & staff have been benefited by this camp organized by vocational program students. The results showed 410 normal, 166 underweight and 77 overweight and 9 obese students & staff.



Webinar Series WT - 1 to 6 Current Science

This webinar series has been conducted by alumni of the college who are pursuing research and development as their careers and industrial professionals.

WT-1 Ms. Namita Satija, Post Doctoral Fellow, Icahn School of Medicine at Mount Sinai, New York, USA delivered a talk on “Genetically encoded switch for studying latently HIV infected cells in humanized mouse models”

WT-2 Ms. Khushbu Patel and , Ph.D. scholar, Dept. of Medicine, Albert Einstein College of Medicine and Ms. Forum Patel, Ph.D. scholar, Icahn School of Medicine at Mount Sinai, New York, USA delivered a talk on “Educational Opportunities in USA”

Dr. Ana Maria Cuervo, Asst. Prof. Dept. of Developmental & Molecular Biology & Dept. of Medicine, Albert Einstein College of Medicine, USA delivered a talk on “Selective Autophagy in the Fight Against Aging & Age Related Disorders”

WT-3 Dr. Hirendra Parmar, Research Associate at Ottawa Hospital Research Institute, Ottawa, Canada delivered insightful talk on “Ins & Outs of Protein Trafficking Pathways: Insights from p15 FAST Protein”

Dr. Manoj Parmar, Ph.D. in Pharmaceuticals Sciences, University of Alberta, Edmonton, Alberta, Canada delivered a talk on “Polymeric Delivery of siRNA for Breast Cancer Therapy”

Mr. Divyesh Thakar, Innovation & Idea Management Process Manager BIOTRONIK SE& Co. KG, Berlin, Germany guided on “Power of Education & Educational Opportunities in Germany”

WT-4 Ms. Urvi Mehta, Sr. Associate, Regulatory Affairs, CMC, USA lectured on “My Education and Experience”

Dr. Manmeet Raval, Post Doctoral Research Associate, University of Southern California, USA talked on “Mechanism of Class III Myosin Mediated Regulation of Actin Bundle based Protrusions”

WT- 5 Dr. Bhavik Mehta delivered a talk on “Yogidham



A Gateway towards Globalization”
WT-6 Dr. Sujay Guha explained “Model Organisms a Powerful Tool for Drug Discovery”

State Level Symposium
“Emerging Trends in Chemical Science & Technology”
Recent trends in chemical science and technology were demonstrated in the form of posters and static & dynamic models by the students from various colleges & Universities. The event was evaluated by Scientific Officer Gujarat Pollution Control Board, Rajkot.



State Level Seminar
“Ozone Layer Depletion & Climatic Changes”
World Ozone Day 2018 was celebrated with the theme “keep it cool”. Department of Industrial chemistry in association with GPCB, Regional Office have organized the seminar. 300+ students from various colleges have been sensitized towards ozone layer depletion and its solutions.



Alumni Talk
Career Opportunities
Mr. Habeeb Rawthore, Sr. Manager, Mahindra Gears and Transmission, Rajkot, alumnus of Industrial Chemistry have delivered insightful talk on various career opportunities for graduates and how to grab the same.



Awareness Seminar
Cycling and Its Impact on Environment & Health
The Impact of cycling on environment & health are almost as endless. Mr. Marshal Donga explained numerous benefits of bicycle to environment and health in comparison with motor vehicles, including the sustained physical exercise involved in cycling, easier parking, increased maneuverability, and access to roads, bike paths and rural trails.



Tree Plantation
Trees play an important role in an ecosystem by maintaining ecological balance and equilibrium. A micro-habitat formed by planting trees can create a green and natural area, and a micro-climate that is healthy for all the life forms, including man, that inhabit the area. Students and faculties planted 151 trees.



Awareness Program
Probiotics : The helpful microorganisms

Demonstrative (poster, video, bacteria plate) interaction was made to make aware secondary school students on health benefits provided by probiotic bacteria, and on commercially available probiotic food and its importance in daily diet. The awareness program was conducted by second year students of the college.



Awareness Program
Hand Sanitization

Demonstration of lab made sanitizer employing Citrus limonum agro waste (peel extract) and a hands on session on the usage of sanitizer ; Poster presentation, video display and interactions with primary standard students, teachers of secondary schools. The students were made aware on personal hygiene, asepsis with application of sanitizer and its safety issues.



Awareness Seminar
Standalone Solar Power System

Solar energy is a major safe renewable energy source with the potential to meet many of the challenges facing the world. The premises on campus are equipped with solar panels capable of producing 20% of the electricity consumption. The seminar focused on the installation & maintenance of solar power panels.



Making & Distribution
Hanging Nest for Birds

The non teaching staff and support staff have collected Garba and converted into hanging bird nest and distributed the same.



Expert Talk

IPR Practical Approach and Current Trend in Patenting

Mr. Suhas R. Kulkarni, Examiner of patent and design, Officer of Controller General of Patents, design & trademark, Mumbai delivered a talk on IPR: Practical Approach and Current Trend in Patenting.



**Workshop
Paper Bag Making**

Workshop on paper bag making was organized; Mr. Sachin dave local paper recycler have demonstrated professional paper bag making form paper waste/ news paper.



**Exhibition
Biodiversity**

Biodiversity refers to the variety and variability of all types of microbes, plants and animals on the earth. The exhibitions consist of prokaryotes and eukaryotes plants and animals with slides, charts, posters, specimens and herbarium of selected plants. Approximately 400 students and faculties have visited the exhibition.



Visit

Weather Forecasting Laboratory

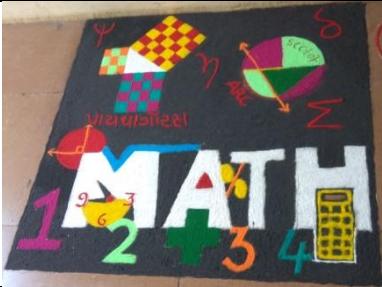



The visit at meteorology department and ACT (Air Control Tower) tower at Rajkot Airport have made students to understand the various parameters, instrumentations, collection & correlation of information that supports forecasting and severe weather warning services.



Blood Donation Camp

The camp was arranged with the support of Atmiya University, Life NGO and PDU Medical hospital Blood Bank; 227 units were donated by the student and staff members for the benefit of Thalassemia patients.



<p style="text-align: center;">Mathematical Rangoli Competition</p> <p>The themes were 3D mathematical & statistical figures and puzzles. The students have explained various Mathematical concepts through creative expression-Rangoli.</p>	
<p style="text-align: center;">Motivational Talk Chess of Life</p> <p>Dr. Kuldeep Luhana delivered a motivational talk to PG life science students. The lecture inspired the students to take up the challenges of life as an opportunity.</p>	
<p style="text-align: center;">Independence & Republic Day Celebration</p> <p>The entire campus observed the Independence & Republic Day with hosting the Flag, March-past, patriotic skits & dances, Rope-Yog performance, motivational speeches by students & dignitaries and felicitating achievers of NCC & NSS candidates and contributors.</p>	
<p style="text-align: center;">Hands-on workshop “Foldscope”</p> <p>A hand-on workshop was organized on “Foldscope” in collaboration with Microbiology Department of R. K. University, Rajkot. Total 110 participants from the biological sciences learnt the technique of paper microscope and its uses.</p>	

3) A new initiatives – a brief presentation.

The chairman is happy to share with this august body the information that as per Gujarat State Government notification dated 13/04/2018, vide no. GH/SH/9/EPU/2017/241/Kh1, the **Atmiya University** has been established at Rajkot w.e.f. **13/04/2018**. Sarvodaya Kelavani Samaj, Rajkot, a Trust established under the Gujarat Public Trust Act, 1950, is the Sponsoring Body of the Atmiya University. The Sponsoring Body had represented to the Gujarat State Government in its LoI, that all the Higher Education Institutions under its ambit be included under the Atmiya University.

Accordingly, the Dy. Secretary, Education Department, Gandhinagar, in its letter dated 06/06/2018, vide no. EPU/2017/241/Kh1 has included all the HEIs, except Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous) under Atmiya University. The letter states that inclusion Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous) under Atmiya University is under consideration of the State Government. The

Registrar, Saurashtra University, Rajkot and Registrar, Gujarat Technological University, Ahmedabad, have also been informed of the same.

Meanwhile, in anticipation of a positive decision, and to make the self-financed programmes more proactive, the Trust directed that admissions of all the UG & PG self-financed programmes of Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous) be made under Atmiya University (minutes dated 27/04/2017). Subsequent minutes dated 05/07/2018 of Trust meeting, transferred all the SF- UG & PG programmes to Atmiya University.

Accordingly, there is no admission to the first year of the following programmes under Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous) the A.Y. 2018-2019.

Self financed UG Programs:

- (i) B.Sc. Biotechnology
- (ii) B.Sc. Industrial Chemistry
- (iii) B.Sc. Information Technology
- (iv) BCA - Bachelor in Computer Application
- (v) 5 year Integrated B.Sc.-M.Sc. Chemistry
- (vi) 5 year Integrated B.Sc.-M.Sc. Microbiology
- (vii) 5 year Integrated B.Sc.-M.Sc. Mathematics

Self financed PG Programs:

- (i) M.Sc. Biotechnology
- (ii) M.Sc. Microbiology
- (iii) M.Sc. Chemistry
- (iv) M.Sc. Mathematics
- (v) M.Sc. Industrial Chemistry
- (vi) M.Sc. Information Technology

The college has not received any funds from UGC for B.Voc programme beyond the 1st installment, hence the college has not made any admission in the following are the B.Voc. programmes:

- (i) B.Voc. – Chemical Technology
- (ii) B.Voc. – Pharma Analysis & Quality Assurance
- (iii) B.Voc. – Medical Lab. & Molecular Diagnostic Technology
- (iv) B.Voc. – Applied computer Technology
- (v) B.Voc. – Radiation & Imaging Technology

The college has also not made admission in M.Sc. Pharmaceutical Organic Chemistry (POC) due to receipt of continuous complaints from students as they are not being considered for some Government Jobs like IOCL.

4) NIRF-2019 & GSIRF-2019

The college has successfully submitted the data for NIRF-2019 & GSIRF-2019. The chairman proudly promulgated that the college is ranked “**4 Star**” with **CGPA-3.27** by **GSIRF-2019**. The detailed score card has been discussed in the meeting with all head of the department on 26-02-2019 and it has been resolved that the lapse in the ranking would be taken care and we will be targeting for even higher rank and CGPA in the coming year. The NIRF-2019 results are still awaited.