



Shree Manibhai Virani and Smt. Navalben Virani Science College

An Autonomous College - Affiliated to Saurashtra University, Rajkot

Re-accredited at the 'A' Level (CGPA 3.28) by NAAC
'STAR College Department' Status by MST-DBT
Accredited at the G-AAA 'A-1' Level by KCG, Govt. of Gujarat
Environmental Auditor approved by GPCB, Govt. of Gujarat
A College with Potential for Excellence - CPE (Phase-I&II) by UGC



A Place to **Learn**,
A Chance to Grow with **Divinity**

mnvsc
FIRST AUTONOMOUS
SCIENCE COLLEGE IN GUJARAT STATE



The College at a Glance

This co-educational Science Institution was established on 15th June, 1968 at Rajkot and, is permanently affiliated to Saurashtra University. The college was included under 2(f) and 12 (B) of the UGC in 1967 and 1989 respectively. It is managed by a Charitable Trust, Sarvodaya Kelavani Samaj, inspired by Yogi Divine Society, under the able and divine guidance of H.D.H. Shree Hariprasad Swamiji. P.P. Tyagvallabh Swami provides the leadership and governance on the Yogidham Gurukul campus. The Institution is a grant-in-aid college and also offers programmes under self-financed scheme.

As one of the oldest colleges in the region, Shree 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 Sarvodaya Kelavani Samaj, Rajkot, with righteous endeavors to inaugurate Shree Manibhai Virani and Smt Navalben Virani Science College in June 1968, by offering Chemistry as a principal subject at UG level under the aegis and endowment of the Virani Family. To start with, since 1968, the college is affiliated to Saurashtra University.

The 20th Century was known as an era of academic conviction, scientific and technological revolution. Yet, the chronicle of growth and development was wanting towards Human Excellence. 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 to the youth, took over Sarvodaya Kelavani Samaj Trust and started managing Shree Manibhai Virani and Smt. Navalben Virani Science College since 1988. Its sanctified ideals of Samp-Suhradbhav-Ekta-Atmiyata (Harmony-Brotherhood-Unity-Spirituality) were re-emphasized in its mission of "Nurturing the Roots! Nurturing the Youth!". H.D.H. Shree Hariprasad Swamiji as the President of Yogi Divine Society, Baroda, has been providing the dynamic leadership, direction and divine blessings.



The College at a Glance

Sarvodaya Kelavani Samaj, under the new management, 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.

These 28 years since 1988 have been a period of academic escalation in Shree 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, besides promoting a divine academic ambience.

Vision of the College

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

Credentials of the College

- 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.
- 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.



Conferment of Autonomous Status

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. After careful study of autonomy the college is now implementing the functional autonomy from the A.Y. 2016-2017 & onwards. Under autonomy the college avails academic freedom mandated by the UGC and provides opportunities to teachers and students for innovations by utilizing their creative talents, keeping the objectives of the UGC guidelines in focus.

It continues to be an affiliated college of Saurashtra University, Rajkot and it's grateful to the Government of Gujarat State and Saurashtra University for empowering the college.

Why Autonomy?

The affiliating system of colleges was originally designed when their number in a university was small. The university could then effectively oversee the working of the colleges, act as an examining body and award degrees on their behalf. The system has now become unwieldy and it is becoming increasingly difficult for a university to attend to the varied needs of individual colleges.

Universities are far too centralized and hence are unable to design curricula suited to the local needs of individual colleges. To strengthen the process of quality and inclusive education, UGC grants autonomy to reputed colleges that have the requisite infrastructure, faculty competence and Managements committed to imparting quality education.

Hence, UGC recommended college autonomy, which, in essence, is the instrument for promoting academic excellence.

What is Autonomy?

An autonomous institution has academic and administrative autonomy. Academic autonomy gives the college the freedom to design its own curriculum, instructional material, teaching methodology and techniques of evaluation and promotion policy. Students have the advantage of a flexible curriculum with the opportunity to choose from a wide variety of courses, including those outside their disciplines. The curriculum can be restructured periodically to meet the needs of employers and scope for higher education and research.



What is Autonomy?

Administrative autonomy gives the institution the freedom to frame its own policies for admission and internal functioning. The institution under autonomy performs various functions which are now done by the University. The college will conduct its own examinations with the freedom to decide evaluation methods and promotion policies.

Objectives for Autonomous College

To achieve excellence in our higher education system an autonomous college has the freedom as follows:

- Framing Curriculum & Syllabus: to determine and prescribe its own courses of study and syllabi, and restructure and redesign the courses to suit local needs.
- Evaluation & Assessment: Evolve methods of assessment of students performance.
- Declaration of Result: Conduct exams and notify results.
- Introduction of New Programme: To achieve higher standards and greater creativity new programmes can be introduced.
- Instituting & awarding Certificate, Diploma, Advanced Diploma courses & certificate shall be issued under the seal of the college.
- Besides others: Promote healthy practices such as community service, extension activities, projects for the benefit of the society at large, neighborhood programs etc.

Programme Structure at UG & PG Levels : Features under autonomy :

- Semester pattern of study • Continuous Internal Evaluation • Choice based credit system-CBCS

UGC Sponsored Career Oriented Programmes

- Plant Tissue Culture & Molecular Technology(Certificate)
- Environmental Auditing and Monitoring(Certificate)
- Bioinformatics (Certificate & Diploma)
- Medical Laboratory Technology(Certificate)



Choice-Based Credit System (CBCS)

- The College has adopted CBCS within the framework of the UGC. It is a flexible system which provides a 'cafeteria' approach for the students to take the course of their choice.
- A Programme consists of a number of courses. A 'Course' is a component (a paper) of a programme.
- A Course may designed to involve lectures / tutorials / laboratory work / seminar / project work / practical training / report writing / Viva voce, etc. or a combination of these, to meet, effectively, the teaching and learning needs and the credits may be assigned suitably.

UG Programme :

- Each UG program shall have a curriculum comprising theory and practical courses with a specified syllabus. The curriculum of the program is a blend of theory courses and practical courses as Core, Discipline Specific Electives (DSE) and Generic Electives (GE). In addition, project, internship/training and personality development courses as Ability Enhancement Courses (AEC) and Skill Enhancement Courses (SEC) shall be offered.

PG Programme:

- Each PG program shall have a curriculum comprising theory and practical courses with a specified syllabus. The curriculum of each semester is a blend of theory courses and practical courses as Core and Discipline Specific Elective (DSE). In addition, Project, Internship/Training, Educational tour/Field visit and the other Competency Enhancement Courses shall be offered.
- The medium of instruction and examinations for UG & PG programs shall be English, except for courses on languages other than English.
- Credit defines the quantum of contents/syllabus prescribed for a course and determines the number of hours of instruction required. Thus, normally in each of the courses, credits will be assigned on the basis of course contents: Theory: 1 hr. instruction/week = 1 credit, Practical:2-3 hrs. instruction / week = 1 credit and Tutorial:1 hr. instruction / week = 1 credit



Components of CBCS Framework

UG Programs : The components are kept in line with the UGC's Guidelines and categorized as follows:

Part I	English Language Courses
Part II	Core, DSE and Generic Elective courses
Part III	Ability Enhancement Courses

PG Programs : The components of the same were decided based on the academic, research, job and life skills expected from a Postgraduate as indicated below:

Part I	Core and DSE courses
Part II	Competency Enhancement courses
Part III	Value Education Course

Total marks & Credit distribution - UG & PG

Part	UG Program Courses	Total Marks	Total Credits
I	Language Course	400	12
II	Core, DSE-Core; DSE-Allied. Generic Elective (GE)	3500	120
III	AECC- I & II, SEC- I,II & III	Remarks	08
Total		3900	140

Part	PG Program Courses	Total Marks	Total Credits
I	Core, Discipline Specific Elective Courses	2500	86
II	Competency Enhancement Courses	500	09
III	Value Education	Remarks	01
Total		3000	96

All the above credits are mandatory for the students to earn their degrees.



Evaluation Scheme UG & PG

The evaluation generally comprises of Continuous Internal Evaluation (CIE) and Semester End Examination (SEE) with percentage weightage as under.

Theory : CIE – 30% and SEE – 70% : Practical : CIE – 40% and SEE – 60%

Award of Degree

The parent affiliating Saurashtra University, Rajkot will award degrees to the students evaluated as recommended by the college by mentioning the name of the college in the degree certificates.

Student Participation and Activities

To elicit the quiescent talent from students, they are motivated and encouraged to participate in various extracurricular activities. A pretty number of State and National level events are being organized and many students have won lot of accolades.

The college has comprehensive honors and achievements in sports at all the levels. The college has huge play ground that accommodates the needs of all **Indoor - Outdoor - Gymnasium** sports.

The college and its various forums organize Societal and Extension Activities, Community Development through **NCC, NSS and AWAKE** Blood Donation and Grouping Camps, Medical Camps, Adult Education and Literacy Programs, Discourses on Moral Values of Life & Ethics.

Student Mentoring and Support

The financial assistance is made available under the heading of various scholarships / freeships of State / Central Government and Managing Trust of the college to the students on merit basis.

Results & Ranks at University - UG & PG:

- Results of the college at University are outstanding : **96% to 100%**.
- Every year around **10 to 12 University Ranks** are from our college.



Career Guidance and Placement Cell

The college has a proactive career guidance and Placement Cell that periodically organizes career counseling sessions, lectures and trainings. The placement cell ensures both on-campus and off-campus interview-cum-recruitment opportunities.





Memorandum of Understanding - MoU with Zydus Cadila

This MOU details the activities, modalities and conditions regarding collaboration between CHL and **AGI** on a long term basis however initially focusing on the general areas students' development keeping in mind the expectation of CHL.

1. CHL will develop course curriculum keeping in mind various trends & requirement for Manufacturing/Quality area to enhance Good Laboratory/Manufacturing Practices. The curriculum shall be discussed with faculty members of **AGI** and also will plan for its completion with extension of support if required.
2. CHL will plan & ensure structured interactions with students of the **AGI** with the help of faculty members of **AGI** to develop them as per need of CHL & readily available for requirement of CHL.
3. CHL may sponsor identified students of **AGI** to undergo project at the site of CHL during vacation which will help students to have real life experience of Industry.
4. CHL will assess the students based on the selection criteria & **AGI** will extend all support in conducting screening process at the venue of **AGI/CHL**.
5. **AGI** is also agreeing to have sophisticated analytical instruments based on the requirement of CHL & extend the training on such available instruments to the students.
6. CHL shall provide technical / facility support on mutually agreed terms to **AGI** faculty members in seeking support to train the students.
7. CHL shall permit students / faculty members for industrial visit.

Under the MOU, **30** students from **B.Sc. Chemistry** and **20** Students from **B.Pharm.** are offered Job at **Zydus**. Their inplant training has also started.



Universal Human Values

The overall purpose of education is to enable a human being to live a fulfilling life, in harmony with oneself and with family, society and nature with the right understanding. Thus to fulfill this ultimate goal of a human being. Shree M & N Virani Science College is pioneer in Gujarat State to Introduce Compulsory course on Universal Human Values at UG & PG levels of education. The Institute has well trained dedicated and devoted staff in practicing universal human values and its content is being taught in the form of a six day full time workshops and credit courses in the first TWO semesters and its follow-up by weekly meetings for the three years.

This will bring a tangible change in the thinking of students, in terms of their vision about happiness and prosperity, the clarity about life-goals, improvement in human relationships, self-confidence, commitment to learning, feeling more responsible towards themselves and for whatever they do.

UHV events at ATMIYA Group of Institutions:

National Workshop on Human Values in Higher Education :

Date : 11th Aug - 13th Aug 2014 • Participants : 600 + Faculty members

National Conference on Human Values in Higher Education (NCHVHE) :

Date : 29th September, 2015 • Participants: 77 Educationists

International Conference : Education for Undivided Family & Universal Human Order :

Date: 8-10th January, 2016 • Participants: 120

Workshops for Students : Total Workshops: 100+ • Participants: 7000+ students

Workshops for Teachers & Staff :

Total Workshops: 20 • Participants: 1100 Teachers & Staff

Thus the institution works on the philosophy of Gurukul, Atmiyata to impart quality science education to the Youth of the Nation. It fosters to create a knowledgeable and skill-based qualified human resource with human and social values.

The aim is to produce quality Indian scientists with global perspective, yet, local moorings!



ભારત સરકારના વિવિધ વિભાગોએ જેને પ્રમાણી છે અને વિદ્યાર્થીઓએ જેને વખાણી છે :
 શ્રી એમ. એન્ડ એન. વિરાણી સાયન્સ કોલેજ- રોજગાર અને કૌશલ્યલક્ષી અભ્યાસક્રમોનું સંગમતીર્થ !

- UGC-યુનિવર્સિટી ગ્રાન્ટ્સ કમિશન ! ભારતમાં ઉચ્ચશિક્ષણના નિશ્ચિત ધોરણો જાળવીને નિયમન કરતી સંસ્થાએ વિરાણી કોલેજની ‘ઓટોનોમસ કોલેજ’ તરીકે પસંદગી કરી છે.
- આ કોલેજને UGC એ ‘પોટેન્સીયલ ફોર એક્સેલન્સ’નો દરજ્જો બે વખત એનાયત કર્યો છે તો કુશળ માનવશક્તિ સર્જના હેતુથી કૌશલ કેન્દ્ર અંતર્ગત યાંચ B.Voc. કોર્સ તથા બે M.Voc. કોર્સ માટે પસંદગી કરી છે.
- આ કોલેજને ભારત સરકારનાં સાયન્સ એન્ડ ટેકનોલોજી મંત્રાલય અંતર્ગત કાર્યરત ડીપાર્ટમેન્ટ ઓફ બાયોટેકનોલોજી -DBT દ્વારા ‘સ્ટાર કોલેજ’ જાહેર કરવામાં આવી છે.
- NAAC બેંગ્લોર દ્વારા તેને સતત બે વખત 'A' ગ્રેડ તથા GAAA-KCG ગુજરાત રાજ્ય દ્વારા A-1 ગ્રેડ મળ્યો છે.
- આ એ કોલેજ છે જેણે અદ્યતન શૈક્ષણિક સુવિધાઓ ઉભી કરીને સૌરાષ્ટ્રના વિદ્યાર્થીઓને રાષ્ટ્રીય સ્તરના વાતાવરણમાં અભ્યાસની તક ઉભી કરી !
- સૌરાષ્ટ્રમાં સૌપ્રથમ બાયોટેકનોલોજી, બાયોકેમિસ્ટ્રી, ઈન્ડસ્ટ્રીયલ કેમિસ્ટ્રી, ઈન્ફોટેકનોલોજી, કોમ્પ્યુટર એપ્લિકેશન તથા બેચલર ઓફ વોકેશન જેવા અભ્યાસક્રમો વિદ્યાર્થીઓ માટે આ કોલેજે શરૂ કર્યા છે.
- વિદ્યાર્થીઓના સર્વાંગી વિકાસ માટે Universal Human Value Education (UHVE) તથા Empowerment of Girls (EOG) જેવા કાર્યક્રમ શરૂ કરનાર એકમાત્ર કોલેજ.
- પરમપૂજ્ય હરિપ્રસાદ સ્વામીજીની પ્રેરણા અને આશીર્વાદથી તેમજ પૂજ્ય ત્યાગવલ્લભ સ્વામીજીના માર્ગદર્શનથી સંચાલિત વિદ્યાર્થીલક્ષી અભિગમ ધરાવતી ગુજરાતની આ અગ્રણી સાયન્સ કોલેજમાં હજારો વિદ્યાર્થીઓએ અભ્યાસ કરીને સારામાં સારી કારકિર્દી બનાવી છે... આવો, હવે તમે પણ સારી કારકિર્દી બનાવવાની તક ઝડપો...



Bio Sciences : અભ્યાસક્રમો : B.Sc., M.Sc., M.Sc.(Integrated) & Ph.D.

બાયોટેકનોલોજી : આ મલ્ટી ડિપ્લોમાની અભ્યાસક્રમમાં જીનેટિક્સ, મોલેક્યુલર બાયોલોજી, ટીચ્યુ કલ્ચર, સીએનએ ટેક., મેડિકલ-એગ્રીકલ્ચરલ- ફૂડ પ્રોડક્ટ્સ, પોલ્યુશન કંટ્રોલ જેવા ક્ષેત્રોનો સમન્વય કરવામાં આવેલો છે. આ અભ્યાસક્રમની સાથે સાથે પ્લાન્ટ ટીચ્યુકલ્ચર તથા બાયોઈન્ફોર્મેટિક્સ વિષયના સર્ટીફિકેટ અને ડીપ્લોમા જેવા વેલ્યુએડીશન પ્રોગ્રામ પણ વિદ્યાર્થીઓ માટે ઉપલબ્ધ છે.

માઈક્રોબાયોલોજી : સજીવ સૃષ્ટિના સુક્ષ્મતમ ઘટકો સાથે સંકળાયેલી વિજ્ઞાનની આ માઈક્રોબાયોલોજી શાખા ! હવે રોગોનાં નિદાનની સાથો સાથ વિવિધ ક્ષેત્રોમાં તેનું ફલક વિસ્તર્યું છે. આ અભ્યાસક્રમની સાથે સાથે એન્વાયરોમેન્ટલ ઓડીટીંગ વિષયનો સર્ટીફિકેટ પ્રોગ્રામ પણ વિદ્યાર્થીઓ માટે ઉપલબ્ધ છે.

બાયોકેમિસ્ટ્રી : સજીવસૃષ્ટિ સાથે સંકળાયેલાં કેમિકલ્સનો વિસ્તૃત અભ્યાસ કરવાની તક આપતો આ બાયોકેમિસ્ટ્રી અભ્યાસ સંશોધનલક્ષી કારકિર્દીની તક આપે છે. આ અભ્યાસક્રમની સાથે સાથે મેડિકલ લેબોરેટરી ટેકનીક વિષયનો સર્ટીફિકેટ પ્રોગ્રામ પણ વિદ્યાર્થીઓ માટે ઉપલબ્ધ છે.

કારકિર્દીની તકો : એગ્રીકલ્ચર, હોર્ટીકલ્ચર, ફોરેન્સિક, ફોરેસ્ટ્રી, ફિશરીઝ, ફર્ટિલાઈઝર, ફૂડ, કેરી, હોસ્પિટલ,

Chemical Science : અભ્યાસક્રમો - B.Sc., M.Sc., M.Sc.(Integrated) & Ph.D.

કેમેસ્ટ્રી - ઈન્ડસ્ટ્રીયલ કેમિસ્ટ્રી તથા ફાર્માસ્યુટિકલ ઓર્ગેનિક કેમિસ્ટ્રી

કારકિર્દીની તકો : ભારતની કેમિકલ ઈન્ડસ્ટ્રી વિશ્વમાં બારમાં સ્થાને છે. તેમાં કુશળ માનવશક્તિની કામ જરૂરિયાત રહે છે. આ વિષયોના અભ્યાસક્રમો રોજગારીની ૧૦૦% ખાત્રી આપે છે.

આ ઉપરાંત **BCA, B.Sc. - IT** અને **B.Sc., M.Sc. & M.Sc.(Integrated) - Mathematics** અભ્યાસક્રમો તેમજ યુજીસી કૌશલકેન્દ્ર હેઠળ **B.Voc.** અને **M.Voc.** જેવા વિવિધ વોકેશનલ અભ્યાસક્રમો પણ ઉપલબ્ધ છે..



શ્રી એમ. એન્ડ વિરાણી જ્ઞાત્ય કોલેજને યુ.જી.સી., ગુજરાત સરકાર તથા સૌરાષ્ટ્ર યુનિવર્સિટી દ્વારા “ઓટોનોમસ કોલેજ” નો દરજ્જો એનાયત કરવામાં આવ્યો છે જેનું અમલીકરણ શૈક્ષણિક વર્ષ ૨૦૧૬-૧૭ થી કરશે. “ઓટોનોમસ કોલેજ” દરજ્જા અંતર્ગત કોલેજ યુ.જી.સી. તથા સૌરાષ્ટ્ર યુનિવર્સિટી માન્ય **B.Sc., M.Sc. & M.Sc.(Integrated)** જેવા અભ્યાસક્રમો વર્ષ ૨૦૧૬-૧૭ થી શરૂ કરશે. **B.Sc.** ત્રણ વર્ષના સ્નાતક અભ્યાસક્રમમાં મુખ્ય વિષયના કુલ ૧૮/૨૨ પેપર ઉપરાંત સિકલ બેઈઝ, એમિલિટી એન્હાન્સમેન્ટ, કમ્યુનિકેશન સિકલ તેમજ અંગ્રેજીના પેપરો નો સમાવેશ કરવામાં આવેલો છે. પ્રેક્ટીકલ અને સંશોધન આધારિત શૈક્ષણિક પદ્ધતિનું અમલીકરણ કરવામાં આવશે. જેથી વ્યવસાયલક્ષી પ્લેસમેન્ટની ઉત્કૃષ્ટ તક પ્રાપ્ત થશે.

M.Sc. (Integrated) જેવા નવા પાંચ અભ્યાસક્રમો શરૂ કરવામાં આવેલ છે. જેમા વિદ્યાર્થીઓને ધોરણ ૧૨ પછી પ્રવેશ મળશે. પ્રવેશ પછી ત્રણ વર્ષ બાદ B.Sc. કિચ્છી સાથે Exit મળશે તથા પાંચ વર્ષ પછી M.Sc. કિચ્છી પ્રાપ્ત થશે.

‘ઓટોનોમસ કોલેજ’ દરજ્જા અંતર્ગત **UG-PG (Eng. medium)** અભ્યાસક્રમો :

B.Sc. અભ્યાસક્રમો : (CBCS - 03 year Full time Program- SIX semesters)

- **B.Sc. (GIA) : Microbiology, Biochemistry and Chemistry, Mathematics**
- **B.Sc. (SF) : Biotechnology, Industrial Chemistry, and Information Technology, B.C.A.**

નવા M.Sc. (Integrated) અભ્યાસક્રમો : After 12th Science (CBCS-05 year Full time Program with multilevel EXIT at 3rd & 4th Year)

- **M.Sc. Integrated (SF) : Biotechnology, Microbiology, Chemistry and Mathematics Information Technology & CA (After 12th Science/ Commerce)**

M.Sc. અભ્યાસક્રમો : (After B.Sc.- 02 yr. Full time Program- 4 semesters)

- **M.Sc. (Innovative) : Pharma. Organic Chemistry and Industrial Chemistry**
- **M.Sc. (SF) : Biotechnology, Microbiology, Mathematics & Information Technology**

આ ઉપરાંત યુજીસી કોઈલકેન્દ્ર હેઠળ **B.Voc.** અને **M.Voc.** જેવા વિવિધ વોકેશનલ અભ્યાસક્રમો પણ ઉપલબ્ધ છે.



યુજસી કોશલકેન્દ્ર Vocational Programs - B.Voc & M.Voc

સમગ્ર ગુજરાત રાજ્યમાં પ્રથમ વ્યવસાયલક્ષી UGC તથા સૌરાષ્ટ્ર યુનિવર્સિટી માન્ય

100% રોજગારની તક પુરી પાડતા અભ્યાસક્રમો

Multi Level Entry & Exit Programs



- ◆ આ અભ્યાસક્રમો કેન્દ્રસરકારની UGC અને AICTE જેવી સંસ્થા દ્વારા બનાવવામાં આવ્યો છે તથા કેન્દ્ર સરકારની સેક્ટર સ્કીલ કાઉન્સિલ દ્વારા પણ માન્ય થયેલો છે.
- ◆ વિદ્યાર્થી ધો. ૧૨ પછી B.Voc અભ્યાસક્રમ ભણવાની સાથે-સાથે વ્યવસાયલક્ષી અનુભવ મેળવે છે તથા સ્વનિર્ભર પણ થઈ શકે છે.
- ◆ B.Voc અભ્યાસક્રમ પૂરો કર્યા બાદ તુરત જ જોબ/વ્યવસાય અથવા માસ્ટર ડીગ્રીના કોર્સમાં પણ એડમિશન મેળવી શકાય છે.

B.Voc. - પ્રથમ વર્ષના અંતે **DIPLOMA** equivalent to NSQF Level-5
દ્વિતીય વર્ષના અંતે **ADVANCED DIPLOMA** equivalent to NSQF Level-6
તૃતીય વર્ષના અંતે **B.Voc. Degree** equivalent to NSQF Level-7

- ◆ **B.Voc. - Applied Computer Technology (AC Tech.)**
- ◆ **B.Voc. - Medical Laboratory & Molecular Diagnostic Technology (ML & MDT)**
- ◆ **B.Voc. & M.Voc. - Pharmaceutical Analysis & Quality Assurance (PAQA)**
- ◆ **B.Voc. & M.Voc. - Chemical Technology (CT)**
- ◆ **B.Voc. - Radiation & Imaging Technology (RIT)**

100% Experimental & Experiential Teaching & Learning Methods
Learning through Industrial Live Research Projects & Troubleshooting
Extensive Industrial Intrection and Training
Industry - Institute - Sector Skill Council (SSC) Collaboration
Assessment & Certification of NSQF Levels-5,6,7 by SSC-New Delhi

“ Nurturing the Roots! Nurturing the Youth!”

DEPARTMENT OF MATHEMATICS



According to my opinion, Shree M. & N. Virani Science College is one of the best Science Colleges of Gujarat state with excellent infrastructure and other necessary facilities. The Mathematics Department of this college is also very good which is equipped with highly qualified and very experienced staff members. The department and college as well, has strongly motivating learning atmosphere.

Dr. Jeegnesh Bosamiya : Ph. D. (Mathematics)
Assistant Professor, Mathematics Department, Govt. Engineering College, Bhuj.



The college as well as the Mathematics Department has expert team of academicians which is always available to each and every student for any kind of help related to studies. I have gone through the new syllabus the autonomous college which is advanced and updated according to the contemporary requirements. Extra activities such as spiritual lectures along with lots of curricular activities like seminars, workshops and conferences also help to ensure the overall growth of students. Departmental staff has expertise in providing training of mind power and goal setting for balanced development of students.

Ms. Jayshree Ratilal Joshi : Assistant Professor
Mathematics Department, M. P. Shah Arts & Science College, Surendranagar

DEPARTMENT OF BIOCHEMISTRY



"I strongly believe that the department of Biochemistry is one of the best departments of the college. They have the best teachers, who have devoted themselves for teaching the students. I learnt teaching, management, discipline, dedication, positivity and being a good human from my teachers. What I am today is just because of the blessings of Swamiji and the teachers of this department. Biochemistry is simply not a subject to get degree to build up career but learning this subject is understanding your own self."

Miss Jigisha Pancholi : Head & Assistant Professor
Department of Biochemistry Indian Institute of Ayurvedic Pharmaceutical Sciences, Gujarat Ayurvedic University



"Biochemistry department has helped me a lot in improving my basic concepts; I got hands on training in instruments on almost all the instruments which are there in biochemistry lab because the department had arranged various workshops and summer training. Faculties are like my family members. From the department I got education, motivation, human values, basically all the things which are required for making me what I am today, and where I am today is because of biochemistry department only."

Mr. Tejan Lodhiya, : Pursuing M. Sc.
Medical Biotechnology, M S University Baroda

DEPARTMENT OF MICROBIOLOGY



I believe the best thing about Shri M & N Virani Science College is close-knit campus environment, awesome atmosphere, fun, friendly social scene combined with strong academics and character building spiritual touch. The foundation of my teaching and research career was built in microbiology department. The most teachers of microbiology department are knowledgeable, very friendly and always helpful. Both, teaching and non-teaching staff of this department has shaped careers of thousands of students like me. The student ambassadors of this department are spreader over the globe with holistic competitive spirit.

Dr. Ramesh K. Kothari : Professor - Microbiology
UGC-CAS Department of Biosciences Saurashtra university, Rajkot



The college is having excellent teacher quality. All teachers of this college have excellent and enormous knowledge as well as experience in their field which gives shine to college. This is not only teachers but along with good habits of students will be good balance in this organization. The college is also having excellence in catering to student diversity like admission process is respecting all rules of University. As per my current profession, I am responsible to the Quality audit of our Pharmaceutical Facilities worldwide and I have audited approximately more than 100 pharmaceutical companies. So as an auditor I am recommending my college is the best institution.

Vinkal Panchani : Senior Manager (Global Quality Audit- Asia Pacific & Middle East Africa Region), Sanofi Synthelabo (I) Limited, Mumbai

DEPARTMENT OF BIOTECHNOLOGY



Whatever I am today in the field of Science and even in social life is due to the way I was taught at Department of Biotechnology. For me, Virani Science College is the temple in my heart

Mr. Saurabh Mehta : Ph.D. Research Scholar,
IISER- Bhopal, M.P., India



Along with academics, co-curricular activities at the department nurtured me with virtues of perseverance, cogency and team work which developed me professionally and personally.

Mr. Suvaskumar Patel : Associate Scientist,
Intas Pharmaceuticals Ltd., Ahmedabad, Gujarat, india

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY



The student gets enough opportunity to get practical exposure in all the theoretical courses in the form of packages (mini project). The department encourages its students to actively involve in extra curricular activities. The department also got excellent faculty who are very good in technical aspects and also share a very good relationship with students. There are numerous placement opportunities. Industry Defined Project are very unique to this course and the students get the opportunity to do internships at various big software industries. On the whole, this is the one course which shapes the future of a student with perfection.

Devang Rughani: Founder and Ceo, NKonnect Infoway
February 2002 – Present (14 years 4 months)Rajkot Area, India



The IT & CA course, with its right mix of strong theory base and industry hands-on, equips its students with the right attitude to excel in a wide variety of work domains in the software industry. An able leader assisted by his well-read staff, state-of-the-art infrastructure, a well-stocked world class library, a syllabus updated based on current industry trends, enviable placement opportunities and above all, an amazing college makes this course, one of the most sought after courses amongst students.

Smit Sudhanshu Shukla : IT Analyst
TATA Consultancy Services Ltd. Gurgaon, (Haryana) - India

DEPARTMENT OF INDUSTRIAL CHEMISTRY



The best time of life usually comes during college time. the Experience of studying at VSC was leaving from home and exploring own dreams, which was very important part to get mature and responsible for future. The experiences and education that I had received at VSC is for lifetime and will influence my career significantly. I must say that "An investment in knowledge always pays the best interest" and I am going to get it.

Mr. Punit Rasadia : CEO
ANLON Research Organization



I feel proud to be a Student of Shree M. & N. Virani Science College and our Second home - campus of Yogidham. Prosperity of the world is now on base of collaboration, in terms of business partnership, research & technology, training & development, etc. But for better development of human being again it's require perfect combination (collaboration) of Education & Sacraments. Where in development of self and bright future, both of these quality elements pour in our blood by this campus and wonderful department - INDUSTRIAL CHEMISTRY. We are very thankful for campus management to provide us such a wonderful infrastructure to make our education process smooth and comfort.

Hitesh P Patel: Chief Operation Officer / Unit Head,
Apollo Home Health Care Ltd., Ahmadabad.

DEPARTMENT OF CHEMISTRY



I feel proud of myself to be a former student (B.Sc. in Chemistry) of Shree M. & N. Virani Science College. A combination of high level scientific education with very supportive and highly educated professor, discipline, valuable culture as well as spirituality all in one place. A valuable "A" ranked college that gives good international stage has set me ready for any challenges that come my way. The position I currently have and the satisfaction about my career is because of the values and experiences gained from this campus.

Ruchita Trambadiya : Scientist,
Analytical Research & Development, Celgene Biopharmaceutical, USA



I feel blessed to be a past student of Shree M. & N. Virani Science College, Rajkot. Every college may teach lessons from curriculum; but in Virani Science College I have learned life lessons as well. The support of chemistry teachers and enlightening atmosphere of the college makes learning quite effortless. Accolades received by the college are the clear evidences of the quality of teaching. I feel proud to state that even at this stage of my life where I also teach and manage an academic institute; I share each problem and achievement with my teachers of Chemistry Department, Thank you..!

Dr. Yogesh Ajudiya : Director,
Ajudiya Science Sankul, Rajkot

Research & Development- All Departments

Publication Output	Nos.	Sponsored Research Projects	C/S	UC	
International Research Papers	310	Minor Research Projects	28	07	
National Research Papers	81	Major Research Projects	10	04	
Oral Research Presentations	140+	Ph.D.	Guides	Awarded	Registered
Poster Research Presentations	160+	Microbiology	02	05	16
Books/Book Chapters/e-Book	58	Chemistry	03	06	23
		Biochemistry	01	-	06

Research Publications

Total Publications	391 (IL-310 & NL-81)
Citation Index Range	6-92
Impact Factor Range	0.06 - 5.9
SJR Range	0.17 - 1.05
SNIP Range	0.25 - 2.03
H- Index Range	01 - 06



GYANYAGNA COLLEGE OF SCIENCE & MANAGEMENT (SFI)

B.B.A. (Saurashtra University CBCS - Semester Pattern ; Eng. Medium-After 12th)

The emerging competitive arena of business has rendered the need for a new class of professionals with a global outlook. In this global and highly competitive world, professionals are required to be generalist and not just specialist, Leaders and not just managers, thinkers and not just problem solvers.

The B.B.A. offers the students the opportunity to acquire knowledge about the management of human and physical resources and skills useful in the management of any organization. It helps the student to equip him/her self with conceptual, communication skills & healthy attitudes to ensure for excellent performance and devoted service.

B.Sc. Programs (Saurashtra University CBCS - Semester Pattern ; Eng. Medium-After 12th)

B.Sc. Chemistry ■ B.Sc. Mathematics ■ B.Sc. Microbiology ■ B.Sc. Biochemistry

ELIGIBILITY (As per Saurashtra University Rules & Regulations)

The student must have passed H.S.C. (10+2) examination or equivalent with Science / General.

COURSE STRUCTURE & CURRICULUM

The details of Course structure & Eligibility are given in program wise ordinances /regulations of affiliating Saurashtra University.

The Revised curriculum of semester I & II of above all programs for A.Y. 2016-17 is available on website of Saurashtra University , Rajkot.

POST GRADUATION DIPLOMA PROGRAMS

PG Diploma In Computer Application (PGDCA : Semester Pattern) The PG D.C.A. course is a full time one year curriculum spread over 2 semesters with 4 theory papers and corresponding practical.



ATMIYA INSTITUTE OF TECHNOLOGY & SCIENCE

The institute offers following academic programs leading to the degree of BACHELOR OF ENGINEERING (B. E.), MASTER OF ENGINEERING & MBA-MCA degree.

Branch & Intake	B.E.	M.E.	Branch	Intake
Computer Engineering	120	18	Information Technology	60
Electronic & Communication	120	18	Master's degree Program	
Electrical Engineering	120	24	MCA	300+180*
Mechanical Engineering	240	-	MBA	360
Instrumentation & Control	60	24	MBA (05 Years Integrated)	240
Civil Engineering	180	-	M.E. (Transportation Engg.)	24
M.E. (Mechanical CAD /CAM)		24	M.E. (Mechanical Production)	24

* MCA : Lateral Entry to 2nd year

ATMIYA INSTITUTE OF TECHNOLOGY & SCIENCE FOR DIPLOMA STUDIES

The institute offers following academic programs leading to DIPLOMA OF ENGINEERING (D. E.)

Branch	Intake	Branch	Intake
Civil Engineering	120	Automobile Engineering	120
Electrical Engineering	240	Computer Engineering	120
Mechanical Engineering	240		

Infrastructure @ Atmiya

- Total 23 acre lavish land with 56,000 sq. mt. built up space
- State of the art Audio Visual Step Class Rooms ; 24 x 7 Wi-Fi Internet facilities
- A Library with an elegant ambience with E-Library facility



Infrastructure @ Atmiya

- Around 2500+ titles and 11000+ books for MBA ; 36 National & 11 International Journals
- Access to online journals through EbscoHost (Business Source Elite)
- Subscription to ACE Equity Database (Database of around 42000 Indian Companies)
- Air Conditioned Reading Hall with the capacity of 400+ students
- Air Conditioned, State of the Art Computer Labs with 1200+ systems
- Incredible 5 Fully AC Auditoriums ; Well equipped Language Labs
- Hostel, Cafeteria & Dining Facility with Hygienic Food

MBA @ Atmiya

- 360 degree Student Transformation through; • FDPs, MDPs and Workshops
- National and International Seminars • Holistic approach in learning
- Expert Talks & Business Games • Academic & Industrial Visits
- Cultural & Sports Events • Health and Happiness Camp
- Outbound Training Programs • International Academic visits
- Inculcating MORAL & ETHICAL values
- Promotion of the SPIRIT OF CREATIVITY, INNOVATION
- QUALIFIED, EXPERIENCED, ENTHUSIASTIC & FULLY DEDICATED faculty members

M.B.A. (05 Years Integrated - After 12th) @ Atmiya

- A program approved by AICTE, New Delhi - for the first time in the faculty of Commerce & Arts
- UG & PG Degree with exit options at B.B.A. (3 Years), & M.B.A. (5 Years)
- Ensures QUALITY Education in accordance with GTU Education Standards
- Innovative Curriculum - enhancing Intelligent, Emotional and Spiritual Quotients
- No repetitive Structure with additional specializations and electives
- Application and Project based Learning • Six Months Industry Exposure
- International Academic visits • National & International Seminars
- Expert Talks & Business Games • Academic & Industrial Visits



ATMIYA INSTITUTE OF PHARMACY

Atmiya Institute of Pharmacy is one amongst the many successful ventures of Sarvodaya Kelavni Samaj which has a reputation for pioneering in pursuit of academic excellence. Our institute has achieved laurels worthy of creators and is continuously striving for higher levels. The Institute is affiliated to GTU and approved by the PCI No. 17 - 1 / 2011-PCI / 22999 - 23367 Dt. 05-09-2011 (from 2005-06 to 2013-14).

The state-of-the-art infrastructure and instructional facilities of the institute includes well-equipped laboratories, voluminous library, spacious lecture halls, CPCSEA approved Animal House, Medicinal Plant Garden, Drug Museum hostels, ATM, canteen, Gymnasium, Students Stores, Free Browsing Centre, Seminar Hall, Auditorium, etc. All this makes the institute a conducive place for learning that provides students with quality education.

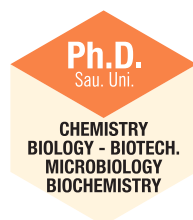
The judicious planning and foresight has resulted in identifying the following objectives :

- To Introduce M.Pharm Courses in Emerging Areas.
- To Develop Industry-Institution Interactions.
- To Introduce Innovative Programs In Emerging Areas.
- To Organize Continuing Pharmacy Education Programmes.
- To Facilitate the Turnout of Quality Pharmacy Graduates.

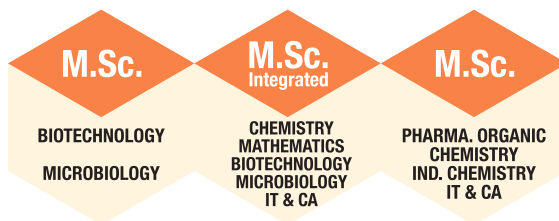
The opportunities open to pharmacist include :

• Academics - Teaching and Research & Development • Higher Education-M.Pharm., Ph.D., and Post Doctoral Studies • As Pharmacist Abroad • Hospital and Clinical Pharmacist • Drug Testing Laboratory • Medicinal Plant Cultivation • As Drug Inspectors in FDA/Drug Control Department, etc.

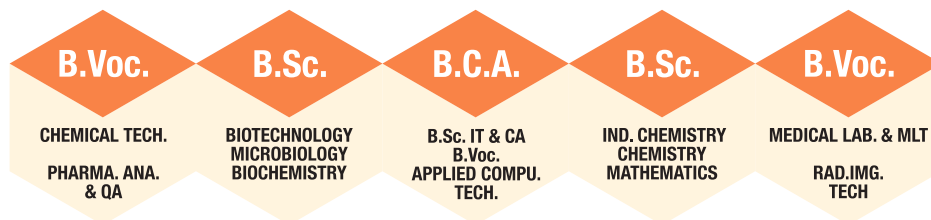
Academic Program (Approved by the AICTE & PCI - Affiliated to GTU)	Intake
B.Pharm. (Bachelor of Pharmacy)	60
M.Pharm. - (Pharmaceutics) & M.Pharm. (QA-RA)	18+18



DOCTORAL PROGRAMS



HIGHER DEGREE OR DIPLOMA PROGRAMS



FIRST DEGREE OR DIPLOMA PROGRAMS

Specialized Programs : B.C.A. & B.Sc. - IT

PROGRESS IS MUST BUT ENVIRONMENT IS FIRST

GLOBAL SITUATION

- Less than 3% fresh water.
- Of this 3% over 2.5% is frozen.
- Only 0.5% for Humanity !!!

INDIAN SITUATION

- 16 % of the world's population and only 4% of its fresh water resources.
- Water availability Rank : 93rd (1.56 TCM)
- Severe water stress Rank : 23rd (80.2%)

SOLUTION

- Plant Trees • Avoid Pollution
- Conserve water • Water Footprint
- Waste Water Purification
- Seawater desalination
- Rain Water harvesting - Ponds & Dams
- National River Linking Project

2 out of 3 people will be living with water shortages by 2025



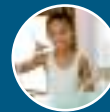
Slow the Flow Save H₂O



PLAY YOUR PART BE WATER SMART

You Can Make a Difference

Turn off the water
when brushing teeth
& Shaving.



Use low flow
shower instead of
the bucket & mug.



Fix Leaks
(1.5mm Stream
wastes 320 Ltr./day)



Conserve Rain Water



जल है तो कल है
SAVE WATER SAVE LIFE



SHREE M & N VIRANI SCIENCE COLLEGE

An Autonomous College - Affiliated to Saurashtra University, Rajkot

Atmiya Group of Institutions, Yogidham Gurukul, Kalawad Road, Rajkot - 360 005 Gujarat
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