



**CHARUTAR VIDYAMANDAL'S  
INSTITUTE OF SCIENCE & TECHNOLOGY  
FOR ADVANCED STUDIES & RESEARCH**

## THE INSTITUTION



Dr C L Patel  
Chairman Charutar  
Vidyamandal

Institute of Science & Technology for Advanced Studies & Research, abbreviated as ISTAR, is established as a centre of quality education offering exclusively post-graduation in science and technology. The Institute has been established by Charutar Vidya Mandal (CVM), an educational society.

CVM has a mission of reinvigorating society through quality education. Since 1947 CVM has established over 40 institutions proving itself highly responsive to the changing socio-economic environment by venturing into various emerging disciplines under the continuous dynamic leadership of Late Shri Bhaikaka, Late Shri Bhikhabhai Saheb, Late Shri H. M. Patel (ICS retired). and now with Dr. C. L. Patel as the present Chairman of CVM, ISTAR is thriving under the patronage of CVM.

ISTAR is providing post graduate education in the vital areas of science and technology. It is recognised by Sardar Patel University, Vallabh Vidyanagar as an institution of higher education and research. The post graduate programmes which were being offered by V P & R P T P Science College as well as by Birla Vishvakarma Mahavidyalaya (BVM Engineering College) are shifted to ISTAR for better academics. New masters programmes in science and technology (including pharmacy) have been added in ISTAR. Department of Science & Technology (DST) of Government of India has provided a grant of Rs. seven and a half crores to establish a Sophisticated Instrumentation Centre for Applied Research & Testing (SICART) to CVM. ISTAR is housed in Sardar Patel Centre for Science & Technology where SICART is also housed. ISTAR works in close collaboration of SICART as well as of Science, Engineering and Pharmacy Colleges of CVM.

It is our endeavour to provide quality education at the Post-Graduation level so that our students become better equipped to undertake real life problems and establish well in their career and serve the profession and the society more meaningfully.

## PROFILE

### COURSES

Post Graduate Programmes offered in Science and Technology as well as in Inter disciplinary areas are

<b>(A) Science Faculty :</b>	<b>Intake</b>
1. M.Sc. Industrial Chemistry	40
2. M.Sc. Plastics Technology	30
3. M.Sc. Oils, Fats & Waxes	30
4. M.Sc. Paints & Varnishes	30
5. M.Sc. Information Science	40
6. M.Sc. Environmental Science	30
7. M.C.A	60
8. M.Sc. Instrumentation	25
<b>(B) Pharmacy Faculty :</b>	<b>Intake</b>
1. M. Pharm Quality Assurance	8+5
2. M. Pharm Pharmaceutics	10
3. M. Pharm Clinical Pharmacy	10
4. M. Pharm Pharmacognosy	10
<b>(C) Engineering Faculty :</b>	<b>Intake</b>
1. M.Tech Transportation System in Engineering	18
2. M.E. Construction Engineering & Management	18
3. M.E. Structural Engineering	18
4. M.E. Environmental Engineering	18
5. M.E. Mechanical Machine Design	18
6. M.E. Electrical with Specialization in Power Systems	15
7. M.E. Computer Engineering	25
8. M.E. Communication	18
<b>(D) Inter Disciplinary :</b>	<b>Intake</b>
1. Master of Valuation (Real Estate)	30
2. Master of Valuation (Plant & Machinery)	15
3. Master of Industrial Hygiene & Safety	15

## FEE STRUCTURE

Science Courses	Rs. 47,000/Tern
(Tuition Fee 40,000, Dev. Fee 7,000)	
Engineering Courses	Rs. 60,000/Sem.
Inter Disciplinary	Rs. 60,000/Sem.
Pharmacy	Rs. 60,000/Sem.

ISTAR has four computer laboratories with 170 computers based on latest hardware configuration and necessary licensed softwares. For audio visual teaching, we have latest equipments like Multimedia Projectors, Overhead Projectors, Laptop computers etc. ISTAR has a most modern and sophisticated library to cater to the need of all PG Programmes.

ISTAR conducts PDP for overall development of students.



## CREDIT SYSTEM

While the Science & Pharmacy Faculties offer P. G. Programmes under traditional marking system, P. G. Programmes under Engineering Faculty and that of interdisciplinary nature are offered under Credit System. Credit System offers lot of flexibility and provides multiple entry to a programme. Such credit system is prevalent in all the progressive institutions in the country like IITs, IIMs, BITS Pilani, etc.

Unique Features of the courses offered by ISTAR are as follows :

- M.Sc. Industrial Chemistry caters to the specialised needs of fast developing chemical industries at the state as well as at the national level.
- M.Sc. Plastics Technology provides trained human resource in the developing area of Plastic Processing and Testing.
- M.Sc Oils, Fats & Waxes as well as M.Sc. Paints & Varnishes provide opportunities to work in the areas where there is a tremendous growth.
- All these programmes prepare persons of supervisory cadre as well as for application, development and R&D work.
- MCA and M.Sc. (Information Science) provide opportunities in an on going field of Information Technology.
- To bridge the gap between Academia & Industry, both these courses include industry internship programme of full six months as a part of course curriculum.
- All Engineering Programmes are intended to provide insight in the area of one's choice and make substantial value addition.
- Masters Programmes in Valuation Real Estate is first of its kind in whole of the country whereas that of Plant & Machinery is first in the World.
- Master in Industrial Hygiene and Safety is also unique and is offered only at this place in whole of the country.
- Master in Pharmacy is aimed at much needed quality assurance, pharmaceutical technology, clinical pharmacy and pharmacognosy in the Pharmaceutical Industry which is developing at a very rapid rate.
- M.Sc. Instrumentation is aimed at training in the area of instrumentation & control which is widely required in all modern plants.



Prof. G. R. Kaundinya  
Director



## FACULTY

The institution has a team of highly qualified motivated teaching faculty. It also invites experts from the field to teach various courses or topics of courses. For MIHS Programme the Institution has signed MOU with University of Cincinnati USA for faculty exchange. Every semester they depute a couple of teaching faculty to teach full courses of the programme. Valuation Programmes involve large number of experts from the professional field.

The Institution has established strong linkage with Industry and other reputed professional institutions. Students visit various industries and professional offices for field training.



## MASTER IN INDUSTRIAL HYGIENE AND SAFETY

Industrial Hygiene is the science that deals with recognition and control of occupational health hazards. The science of Industrial Hygiene has been evolved over a period of last 50 years as a result of confirmed cases of occupational illnesses and diseases caused by chemical, physical and biological agents in all industrial and non-industrial sectors such as hospitals and agricultural farms. In India, while progress has been made in prevention and control of occupational safety, very little has been done in the area of industrial health hazards. ISTAR is the only institution in the whole of India which is offering Master in Industrial Hygiene and Safety (MIHS)

The MIHS programme is offered in collaboration with faculty from the Environmental and Industrial Hygiene programme of the University of Cincinnati, Cincinnati, Ohio, USA. They send Dr. Scott Clark, Dr. Carol Rice, Dr. Glenn Talaska, Amit Bhattacharya from the University of Cincinnati to teach our students.

Potential job opportunities as Industrial Hygienist exist in multinational corporations, big industrial complexes and hospitals.

Govt. of Gujarat has notified in Gujarat Factory Rules that the students who possess Degree in "Master of Industrial Hygiene and Safety" could be employed as Safety Officers.

## MASTER IN VALUATION

Due to liberalization, privatization and globalisation, the Valuation profession is gaining importance day by day. There was no formal education in the area of valuation practices, Master of Valuation (Real Estate) has been first of its kind in whole India. Master of Valuation (Plant & Machinery) is the first post graduate programme in the entire world. The curriculum is highly relevant to national and local needs. Students are prepared for undertaking valuation for Levying Stamp duty, Mortgage, Wealth Tax, Income Tax, Gift Tax, Municipal Taxation, Probate, Land Acquisition Act, Balance sheet, Insurance, Mergers and Take-overs etc.

One of the strengths of the courses is in the quality of teaching faculty consisting of experts from practical field. Central Board of Direct Taxes, Ministry of Finance, Govt. of India, the premier agency registering valuers in the country has reduced experience criteria for registration as valuers under Wealth Tax Act from 10years to 2 years for holders of degrees Master of Valuation (Real Estate) and Master of Valuation (Plant and Machinery) in respective disciplines.



## THE CAMPUS

The campus, Vallabh Vidyanagar town, is an Education township, envisaged and established for sole purpose of providing quality education right in the midst of rural India. The town was the vision of Late Shri Sardar Vallabhbhai Patel and the creation of Shri Bhailalbai D. Patel (an eminent Engineer and Educationist, popularly known as Bhaikaka) and Shri Bhikhabhai Saheb (an eminent Educationist). Later on Shri H.M. Patel Former Union Finance Minister, consolidated the efforts put in by the founders. Today campus is expanding and diversifying with the renewed vision of Dr. C. L. Patel present chairman of Charutar Vidya Mandal, an education society. The campus is located near Anand City, renowned as the Milk city on Ahmedabad Baroda (Vadodara) Sector. It provides quality education from KG To PG in wide spectrum of disciplines in the same campus. It also is the seat of Sardar Patel University a residential University of Gujarat State.

Vallabh Vidyanagar with its lush green trees, ever enjoying peace and pollution free climate has attracted many from various corners of the globe. Presently, it caters to the educational need of nearly 30,000 students across various disciplines. It has all the amenities and facilities so as to evolve and expand quality life amongst the students. The town is the synthesis of varied cultures from across the world; thereby fostering the environment of creativity and innovativeness among the learners. Those who stay here always cherish their golden moments of life on the campus. Today the campus has compounded in strength and consolidated itself to take on the challenges of the new millennium.



CHARUTAR VIDYAMANDAL'S

### INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH

Sardar Patel Centre for Science & Technology  
VALLABH VIDYANAGAR - 388 120. DIST. ANAND (GUJARAT) Phone : (02692) 234955  
Web : [www.istar.ac.in](http://www.istar.ac.in) E-mail : [istarcvmvn@yahoo.co.uk](mailto:istarcvmvn@yahoo.co.uk)