

Shirpur Education Society's

R. C. PATEL

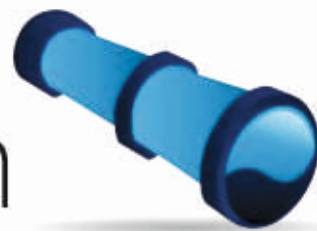
INSTITUTE OF PHARMACEUTICAL
EDUCATION AND RESEARCH,

Shirpur (MS) 425 405





Vision



- “ To Excel in Undergraduate and Post Graduate Pharmaceutical Education and Research ”



Mission

- “ To Bestow High Quality Pharmacy Education and Training to Groom Students to be a Responsible Pharmacist, Professional and Citizen to Contribute to Pharmacy Profession and at Large to Society ”



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Late Rasiklal C. Patel
Our Blessings



Late Mukeshbhai R. Patel
Our Motivation



Shri Amrishbhai R. Patel
Visionary Leader



Shri Bhupeshbhai R. Patel
Chairman



Dr. K. B. Patil
Director



Shri R. C. Bhandari
Vice-President

**President***Shirpur Education Society, Shirpur***President's Message**

A premier centre for pharmaceutical education, R.C. Patel Institute of Pharmaceutical Education and Research (RCPIPER) Shirpur, began its exploration in the year 1992 recognized by KBC North Maharashtra University, Jalgaon.

We aim to excel in undergraduate, postgraduate and doctorate pharmacy education. We emphasize on success without compromising on quality and value based education, imparting training to cater to the needs of pharmaceutical industries. We deem true education leave its imprints on the students' soul long after they complete their formal education. We believe deeply in our country's socio-economic dynamics and health-care systems. In this long transformative journey, the college has earned a place of pride by virtue of its dedicated scholarly pursuits.

We wish to make RCPIPER a hub for the exceptional learning experience.

Amrishbhai R. Patel**Principal***R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur***Principal's Message**

It is a matter of immense pleasure to introduce the institute in the form of an admission brochure with concise details before you. Our institute strives relentlessly to incorporate core values in pharmaceutical education and offers an excellent research ecosystem. I am happy to state that right from its inception, it has been striving to serve the cause for which it has been set up.

It is a great honour for me to share that our institute has accredited by NBA, New Delhi for a full period of six years for its 3rd cycle. The institute has been placed by NIRF ranking in top ranking colleges. NAAC, Bangalore, has also endorsed the Institutes' performance indicators. To make our students professionally competent, we have acquired the best possible infrastructure and dedicated faculty. Judicious and optimum use of this infrastructure can ensure its achievement of their coveted goals.

The Institute have many state of the art labs equipped with several advanced instruments and air-conditioned classrooms. The central library of the Institute incorporates more than 22,000 books, various periodical and scientific journals.

A step ahead towards an eco-friendly campus, the institute has been fitted with a solar panel which helps to generate more than 450 units per day, tree plantation and the campus water harvesting system. The building safety is ensured by installing a water hydrant system. The escalator has been mounted to provide a barrier-free environment.

Our students consistently achieved top university ranking positions and also qualified competitive exams such as GPAT, GATE, GRE, TOEFL, MPSC, etc. Our college is a unique amalgam of traditional learning and futuristic vision.

The institute has a dedicated placement cell in which the students are effectively positioned in the esteemed pharmaceutical industries and academia. The students' innate talents are identified and brought to light through sport and cultural events.

R.C Patel Institute of Pharmaceutical Education and Research is endowed with progressive futuristic outlook which aims continual growth in the quality of all academic activities with a sense of commitment to fully meet the expectations of the students, parents and society at large. Institute has more than 80 dedicated faculties who are working for shaping the careers of the students.

I encourage you to learn about the opportunities with us and join as a fellow traveller.

My best wishes are with you for fulfilling your aspirations.

Dr. S. J. Surana

- ✓ Re-accredited by NBA, New Delhi for 3rd Cycle (6 Years of Accreditation)
- ✓ Averagly Ranked in Top 50 Pharmacy Institutes in India by Nirf, New Delhi from Last 5 Years
- ✓ Accredited by NAAC, Bangalore
- ✓ Approved by All India Council for Technical Education(AICTE), New Delhi
- ✓ Approved by Government of Maharashtra, Mumbai
- ✓ Approved by Pharmacy Council of India (PCI), New Delhi
- ✓ Affiliated to KBC North Maharashtra University, Jalgaon
- ✓ Recognized under 2f and 12B from University Grant Commission, New Delhi
- ✓ Established under Institution Innovation Council, New Delhi
- ✓ Achieved Platinum grade under CII, AICTE, New Delhi



Sr. No.	Name of Program	Sanctioned Intake
1.	B. Pharmacy (Eight Semester Degree Course)	100
2.	M.Pharmacy (Four Semester PG Course)	
	i) Pharmaceutics	15
	ii) Quality Assurance	15
	iii) Pharmaceutical Chemistry	15
	iv) Pharmacognosy	10
	v) Pharmacology	15
	vi) Clinical Pharmacy	10
	vii) Pharmaceutical Technology	15
	viii) Regulatory Affairs	15
3.	Ph.D. Research Center	As per KBCNMU, Jalgaon
4.	B.Voc. Medical Imaging Technology	25





The department works with an objective to provide basic and applied knowledge of pharmaceutical chemistry to its students. Established in the year 2002, actively involved in teaching and high quality research work. The Central Instrument Facility (CIF) equipped with sophisticated instrument used in analysis of drugs. Our "Drug Design Laboratory " is involved in discovering new chemical entities. More than 150 students have successfully completed post graduate program and well placed in Industries and academia.

The department has received grants of more than ₹1.5 crore



EQUIPMENTS / INSTRUMENTS

Laboratory is well equipped with latest high-tech Instruments and modern Facilities like:

- HPLC binary gradient and isocratic with PDA detector (Shimadzu , Japan)
- HPTLC (Camag , Switzerland)
- HPTLC –MS-Interface
- Automatic Development Chamber
- GC (Shimadzu , Japan)
- Drug Design Software (Maestro V.9.0.Schrodinger,USA & V- Life MDS,India)
- UV-visible Spectrophotometer- 2450, 1601 (Shimadzu, Japan)
- Nitrogen Sample Evaporator
- Vacuum Rota Evaporator (Buchi Switzerland)
- Microwave oven (Raga, India)



Department was established in 2003 with 10 student intake capacity. The department has undergone tremendous growth since its establishment, which has been fostered by prominent academics such as Prof. Dr. S. J. Surana Prof. S. B. Gokhale and many others. The medicinal garden spread over 1 hectare of land and supported with greenhouse for seasonal medicinal plants. It also maintains more than 200 Satpuda medicinal plant species. As far as research infrastructure is concerned, the Department has constantly strengthened itself. The strength of the department lies in its modern laboratories, sophisticated instruments and high-quality research output. The Department also provides training PhD researchers. More than 100 M. Pharm students and 10 Ph D research scholar have completed their dissertation and pursuing their career in pharmaceutical industry and institutes. The department maintains active research groups for collaborative and interdisciplinary research inside and outside universities. Department completed research projects sponsored by government agencies including UGC, RGSTC, AICTE and received over 70 Lakh research grant. As a result, department held globally recognized patents and research papers in high impact factor journals of international repute. The department provides extensive training in all facets of natural products to meet the current requirement in the scientific field and industrial requirement.

EQUIPMENTS / INSTRUMENTS

Department has sophisticated instruments and modern equipment including: -

- High performance thin layer chromatography (Camag, Switzerland)
- UV-Vis spectrophotometer (Cary 60, Agilent Technologies, Germany)
- Gas chromatograph (Shimadzu, Japan)
- Flash chromatograph (Teledyne Isco, USA)
- Semipreparative and Analytical HPLC (1260; Agilent Technologies, Germany)
- Vacuum Rota Evaporator (Medica Instrument MFG. Co)
- Motic digital microscope





The Pharmacology department has emerged as a center of excellence in academic activities and research. Till date 180 students have completed PG and 15 students have carried out doctoral research in this department. Our alumni hold respectable positions in Government and Private sector in India and abroad. The department staff is highly qualified and experienced.



EQUIPMENTS / INSTRUMENTS

Laboratory is well equipped with latest high-tech instruments and modern facilities like

- Harvard Stereotaxy Apparatus
- Microplate spectrophotometer (Biotek, USA)
- CO₂ incubator (Sanyo, Japan)
- Whole Body Plethysmograph (Hugo-Sach)
- iWorx data acquisition system
- Plethysmometer (Ugo Basile Italy)
- Cooling centrifuge (Remi India)
- Power lab data acquisition System (AD Instruments, Australia)
- Any-maze video training software for CNS activity
- Cryostat (Leica)
- Bio- Safety cabinet
- Western blot setup
- Microscopes (Leica / Motic)
- Cell culture facility
- CPCSEA registered animal house.

Department of Pharmaceutical Technology is started since 2019 with an objective to provide exposure to industrial aspects of pharmaceutical technology.


The course covers not only the new technologies used preparation of pharmaceutical products but also the construction and requirements of the industrial units in which products are developed and produced. It is, therefore, a field of vital importance to the society and has been gaining popularity in recent years. This department also aims at establishing a "pharma entrepreneurs" by providing exposure to current pharmaceutical technology. Department created link with leading pharmaceutical industries for such training.

The department is equipped with the state of art laboratories, ultra-modern facilities, and competent staff which have been considered as the most sophisticated infrastructure among academic institutes in country.

Major Facilities

- Pilot Plant facility as per cGMP consideration for solid and liquid dosage form equipped with industrial grade instruments such as Tablet compression machine, Rapid mixing granulator, Vibro-shifter, Colloidal Mill, Standard Coating Pan, Automatic Sealing and Filling Machine
- Aseptic manufacturing facility comprised of – Laminar air Flow, Autoclaves, BOD incubator, Ethylene oxide sterilizer






The **Department of Pharmaceutics**, established in 2005. The department is equipped with the state of art laboratories including pilot plant laboratory and Class 1000 aseptic area which are true replica of industrial set up, ultra-modern facilities and competitive staff which have been considered as most sophisticated infrastructure in the country. In addition, the department has computational facility for designing of experiment. The department also offers training for research students seeking PhD degree.

A number of research articles are published in reputed journals having high impact factor every year. The department undertakes research projects from government as well as private funding agencies. The department completed more than 15 research project costing about 142 lacs from various funding agencies such as UGC, AICTE, DBT, DST, BIRAC, AYUSH etc. The department has marked its importance in research activities and IPR by having 8 patents in the area of drug delivery. It has set up research collaborations within the university, with other companies within India. Also it has excellent placement record. Academic and research excellence is achieved by providing training to meet the current requirements of pharmaceutical Industries, academics and regulatory bodies.

EQUIPMENTS / INSTRUMENTS



Laboratories including Pilot plant as per cGMP consideration and Class 1000 area for aseptic processing are equipped with highly sophisticated instruments and modern facilities like-

- Rapid Mixing Granulator
- Glatt Coater
- Vibro Shifter
- Extruder Spheronizer
- Multiple Punch Compression Machine
- Ultra Centrifuge
- Spray Dryer
- Freeze Dryer
- Particle Size Analyzer
- Differential Scanning Calorimeter
- Brookfield Rheometer
- Rota Evaporator
- Diffusion Cell Apparatus
- Cascade Impactor
- High Pressure Homogenizer
- High Speed Homogenizer





The objective of quality assurance department is to train the pharmacy graduates in quality assurance to cater the ever-increasing need of pharmaceutical industry and academia. Department of Quality Assurance has grown as centre for providing postgraduate training in various activities of quality assurance including ,approval or rejection of active pharmaceutical ingredients, and drug products, investigation and decision making with regard to deviations of production processes and quality-related complaints, performance of internal and external audits, assurance of compliance with the good manufacturing practice (GMP) requirements, management of personnel training data according to the GMP requirements. Main focus of the department is on Quality by Design (QbD), Validation process, sterile process, Analytical Methods and cleaning validation.



Software's

- Design Expert (Version 8.0.1)
- JMP - SAS (Version 13.2.1)
- Chemix (Version 3.50)
- Kinetic 5
- Shelf Life (Sigma Plot 12.5)
- PCP Disso (Version V3i)

EQUIPMENTS / INSTRUMENTS

Laboratory is well equipped with latest high-tech instruments and modern facilities like.

- HPLC with PDA detector (Agilent USA)
- UV-Spectrophotometer
- Environmental test Chamber
- Dissolution test Apparatus
- Tensile Strength tester
- Bursting strength tester
- Puncture resistance tester
- Powder flow Tester
- Rheometer
- XRD
- Zeta Sizer





The Clinical Pharmacy department established in the 2006 to train the postgraduate students in patient care and clinical research. The department has access to paid online databases and well equipped clinical research laboratory. The department works in collaboration with Indira Gandhi memorial & Cottage hospitals, Dhule to accommodate PG scholars for research work.



EQUIPMENTS / INSTRUMENTS

Laboratory is well equipped with latest high-tech instrument and modern facilities like.

- Collaboration with a 150 bed hospital
- On-line and offline resources on pharmacotherapy
- Virtual patients software
- Well equipped Biochem Lab

B.Pharm.

Maharashtra State Candidature Candidates and All India Candidature Candidates. (A) First Year

(1) Maharashtra State Candidature Candidates – (i) The candidate should be an Indian National; (ii) Passed HSC or its equivalent examination with Physics and Chemistry as compulsory subjects along with one of the Mathematics or Biology and obtained at least 45% marks (at least 40% marks in case of candidates of Backward class categories and Persons with Disability belonging only to Maharashtra State) in the above subjects taken together; (iii) should have appeared in all the subjects and should obtain non zero score in CET conducted by the Competent Authority.

(2) All India Candidature Candidates – (i) The candidate should be an Indian National; (ii) Passed HSC or its equivalent examination with Physics and Chemistry as compulsory subjects along with one of the Mathematics or Biology and obtained at least 45% marks (at least 40% marks in case of candidates of Backward class categories and Persons with Disability belonging only to Maharashtra State) in the MHT CET above subjects taken together; (iii) should obtain non zero positive score in NEET or the candidate should have appeared in all the subjects in CET and should obtain non zero score in CET conducted by the Competent Authority.

Admission to Direct S.Y.B.Pharm. :

Admission shall be made as per rules prescribed from DTE for eligibility from time to time.

M.Pharm. :

Students who have passed B.Pharm from AICTE approved college only are eligible for admission to M.Pharm. They Must have obtained at least 55% marks in B.Pharm (For reserved and sponsored candidate 50%)

Ph.D. :

M.Pharm.in any branch and qualified PET examination conducted by KBCNMU, Jalgaon

B.Voc. :

Candidates shall be passed HSC with Physic, Chemistry & Biology / Mathematics subject.

All relevant information for admission procedure can be monitor on www.dtemaharashtra.gov.in



Admission process will be carried out as per schedule declared by the DTE, Mumbai from time to time.

All relevant information for admission procedure can be monitor on www.dtemaharashtra.gov.in time to time

Fee Structure

Fee structure for the academic year

Sr. No	Name of Couse	Total Fees	KBCNMU Exam Fees
1	B. Pharm.	106000/-	2200/-
2	M. Pharm.	155000/-	4400/-

*Change in academic fee is applicable as per direction from Fees Regulatory Authorities (FRA)

Capitation Fees

As per All india Council for Technical Education in exercise in power of conferred under the clause (n) of section 10 of AICTE act 1987 (52 of 1987),our college do not accept the Capitation fees under any circumstances during admission process.



Ragging Circular

- Action against ragging shall be taken as per Maharashtra Prohibition of Ragging act 1999.
- Ragging inside or outside the campus of educational institute is prohibited.
- Whoever directly or indirectly commits,participate,abets,propagates ragging within or outside camus shall on conviction be punished with imprisonment for the term unto 2 years and/or penalty which may extend to ten thousand rupees.
- Any student convicted of an offense of ragging shall be dismissed from institute and such student shall not be admitted in any other educational institute for the period of five years from the date of order of such dismissal.
- Each student and every parent to submit an online undertaking every academic year at www.antiragging.in & www.amanmovement.org

The spirit of pharmaceutical Education lies in laboratory work done by students. We take pride in our laboratories Which assists our students to supplement theoretical knowledge with practical skills. Each laboratory is operational with high quality instruments / equipments. All laboratories are develop as per the norms of Government regulatory agencies.



The spacious air conditioned lecture hall and e-class rooms are well operational with advanced teaching aids like Intelligent panel, Virtual learning Center etc. The Institution also features the finest computing facility. Interactive learning approach is employed in classroom teaching. The students are encouraged to interact with teachers during the lecture session and benefit from an open two-way communication.





Central Air-conditioned library of the institute occupies a place and is indispensable component of the institute, spreads across 850 sq. m. it is the brightest place with 15000 books and also subscribing more than 200 Indian and international research online journals of repute. e-library and uninterrupted Wi-Fi connectivity enables learning and advancement of knowledge, in a content and pleasant environment.



FACILITIES

- Photocopy Facility
- Library Automation
- OPAC Accession System



Every effort has been made at REPIPER to provide the excellent facilities for the students. There are boys and girls hostels with capacity of 300 each. The hostels are connected to surrounding world through wi-fi. The hostel mess caters nutritious and delicious food at very reasonable rates. The basic recreation and sports facilities (table tennis, carrom, cricket and gymnasium), TV room etc are made available to the student which provides homely atmosphere. Solar water heater provides hot water throughout the year and RO Water has been installed for supply of chilled water for drinking purpose. The rooms are spacious enough for students to stay and study in comfort.

Hostel	Fees in Rs.	Deposit	Admission Fees	Total Fees Payable	Demand Draft in favor
Boys Hostel	22000/-	10000/-	2000/-	34000/-	SES Boys Hostel, Shirpur
Girls Hostel	20000/-	10000/-	2000/-	32000/-	SES Girls Hostel, Shirpur



Computer centre occupying an area of 150 sq.m. serve as a central internet facility for all students. The state of the art computer laboratory is committed to provide un-interrupted internet facility is achieved via 155 mbps Reliance leased line. It is equipped with latest core quad computers having legal operating Linux and windows system.

Wi-Fi-Campus

Wireless terminals are available at various locations in the institution to access internet on their laptops, Tablets and other electronic devices.

Virtual Class Room

Expert talks are arranged regularly through video conferencing.



All committees are formed on yearly basis and their name, contact number displayed on notice board regularly. Committee formulation as per direction from Government agencies and board.

Mandatory committees of Institute

- Anti ragging Committee
- Anti Ragging Squad
- Grievance Redressal Committee for Staff
- Grievance Redressal Committee for Students
- IQAC (Internal Quality Assessment Cell)
- Women Grievance Redressal Committee



The institute gives top priority to research and development activities. The faculty members are encouraged to get involved in research. They are given the infra structural support in the form of books, journals, laboratories and computational facilities for research. A number of projects have been initiated for research and development as well as modernization of laboratories with financial assistance from All Indian council for Technical education (AICTE, Department of Science and Technology (DST), University Grant commission (UGC), North Maharashtra University (KBCNMU, Jalgaon), The main purpose of these initiatives is to enhance the depth of knowledge of faculty, students and support industry. Both faculty and students in a team are engaged in research work and betterment of society by development of innovation in the pharmacy field.





Cultural Events



**Blood D
Can**



Pharmacist Day

The institute motivates students to participate in extra-curricular activities for overall development in acquiring team work and interpersonal capabilities. When it comes to event management, students have displayed professional gathering, parents and alumni meet, fresher's party, teacher's day etc. A variety of programs like quiz contest, debates and cultural festival are scheduled during academic year to discover the hidden talents. Institute also arranges numerous functions like seminars, mini projects, industry interactions, symposia, workshops etc.

Donation
Camp



Annual Day



Social Activities



Parents & Alumni Meet



॥ अंतरी पेटवू ज्ञानज्योत ॥

**Kavayitri Bahinabai Chaudhari
North Maharashtra University, Jalgaon**



Create

Sustain

Prosper

Avishkar

आविष्कारातून शाश्वत विकासाकडे...

- Best Teacher Award 2011-12, Government of Maharashtra
- Principal of the Year award 2013 by APTI
- Outstanding Principal -2012, IPER, Pune
- Best Thesis Award (Elli-Lilly)
- Young Scientist Award (CCRH, AYUSH)
- UGC Research Award
- Innovator Teacher Award (MHRD)
- Pharm InnovaAward(Troika Pharma)
- BIRAC-SRISTI Appreciation Award (DBT)
- APTICON Best Presentation Award
- AVISHKAR Research Festival Award
- IDMA Research Award
- Career Award for Young Teacher, AICTE



Our students have consistently bagged gold medals at university examinations with record of 100% placement in industries and academia.

Course	Achievements of Students	
	Gold Medal	University toppers
M. Pharm.	35	40
B. Pharm.	25	70



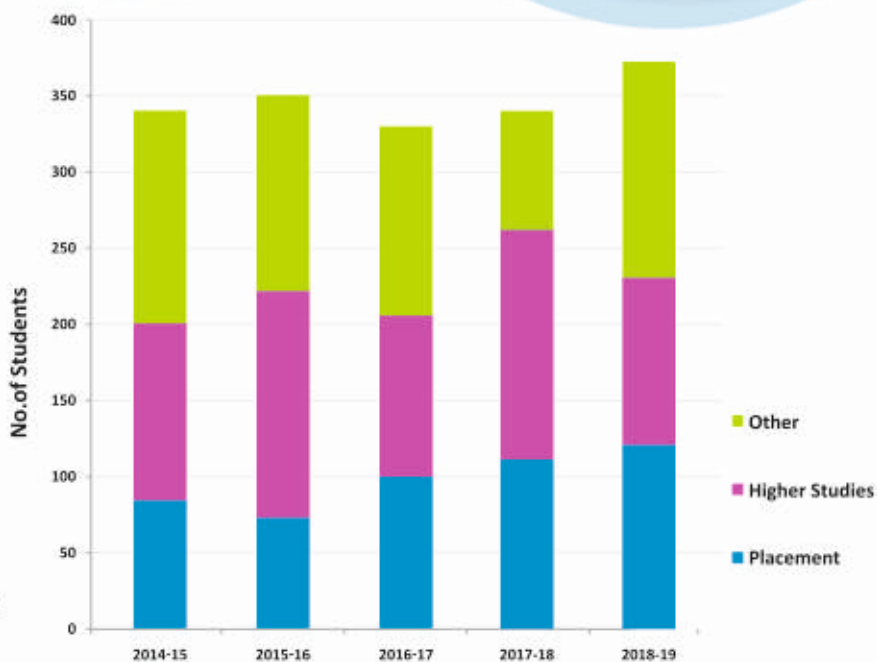
The Training and placement cell of institute is actively involved in industrial training, project work and placement of students. The objective of T& P cell is to bridging the gap between pharma industry and academic institute for better development of pharma students and makes them employable. The core function of cell is to make contacts with HR departments of multinational pharmaceutical companies and resumes forwarded for suitable job position.

Cell regularly arrange Group discussion. Pre-campus placement training and aptitude test for pharmacy student to have better prospect and career growth. It also organizes the visit to pharmaceutical industries for up gradation for current scenario in the technology of pharma sector.



Our Recruiters

- Macleods Pharma
- Zydus Cadila
- Cadila Healthcare
- Alkem Laboratories
- Glenmark Pharma
- Advantmed Inc
- TCS
- Dr. Reddy's
- Cipla
- Mylan
- Vimta Labs
- Indoco Remedies
- Tinnacle Life Science





The institute is sincerely promoting sports activities by organizing various competitions at university level. Institute has appointed expert coach cum Football, Badminton and volleyball. State - level Pharma cup for cricket students are selected at state and national levels in different sport categories like athletic, long jump etc.

Being a responsible institute toward society for healthy living, institute has organized blood donation camp, swine flue awareness program and pink health mission in association with NGOs and university.



Institute feels pride to have highly qualified, well experienced teaching staffs. All these faculties are ready to give their best for shaping the careers of students. More than 700 research publications in scientific journals of repute, 40 books and dozen of patents are to their credit.

Key Contacts

Prof. Dr. S. J. Surana	Principal	9423980900	sjsurana@yahoo.com
Dr. A. A. Shirkhedkar	Vice Principal	9823691502	shirkhedkar@gmail.com
Mr. J. G. Jadhav	Registrar	9371455559	registrar@rcpatelpharmacy.co.in



A tremendous progress has been made in various fields such as industry, trade, business, education, banking, politics etc under the able and dynamic leadership of Hon. Shri Amrishbhai Patel, which gave Shirpur a new look and identity and is being recognized as one of the fast growing and flourishing city.





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registrar@rcpatelpharmacy.co.in
www.rcpatelpharmacy.co.in

How to Reach

Shirpur is situated on the Mumbai Agra
National Highway (NH3) & is about 52 kms from Dhule.
The distances from nearest railway stations :

Nardana	(25km)
Bhusawal	(100 km)
Jalgaon	(110km)
Dhule	(52 km)
Nandurbar	(80 km).

The distances of other cities by road :

Nashik	(205 km)
Aurangabad	(180 km)
Pune	(400 km)
Mumbai	(400 km),
Indore	(210 km)
Surat	(205 Km)