



# ST. JOHN INSTITUTE OF PHARMACY AND RESEARCH

**AUTONOMOUS**



**NAAC Accredited with Grade A, CGPA 3.08 (2nd Cycle) (2023-2028)**

Approved by Pharmacy Council of India and u/s 2(f) of UGC Act 1956

Recognised by DTE (MS), Affiliated to University of Mumbai and MSBTE

**PROSPECTUS**



**DTE Code 3240**

- **Diploma in Pharmacy (D. Pharm.)**
- **Bachelor of Pharmacy (B. Pharm.)**
- **Master of Pharmacy (M. Pharm.)**

**(Programs approved u/s 12 of the Pharmacy Act 1948)**

**BEST COLLEGE (Rural) Award 2023 from University of Mumbai**

St. John Technical and Educational Campus, Vevoor, Manor Road, Palghar (East), Dist. Palghar - 401 404, Maharashtra, India.

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[aldel.sjipr](https://www.facebook.com/aldel.sjipr)

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**VISION:** “Serving Humanity through Excellence in Pharmacy Education and Research”

### MISSION:

- To promote quality pharmacy education and training through innovative teaching-learning process
- To collaborate with industry to address challenges of quality and novel medicines
- To encourage innovation towards designing solutions to meet healthcare needs
- To contribute to the advancement of community pharmacy and public health
- To empower young minds with value based education, communication and entrepreneurial skills

### QUALITY POLICY

- To deliver quality and value education, through innovative teaching-learning processes and training, to build young and aspiring Pharmacists

### COLLEGE PROFILE

**LOCATION:** St. John Institute of Pharmacy and Research is situated within a lush green campus in a serene and quiet ambiance at St. John Technical and Educational Campus, located at Vevoor, Palghar (E) which comes under the Palghar-rural district in Maharashtra. Palghar is a part of Mumbai Suburban Rail Network which extends up to Dahanu and lies on the Mumbai-Ahmedabad rail route 30 kms north of Virar. The college is situated on the Palghar-Manor Road about 18 kms from Manor on the Mumbai-Ahmedabad Western Express Highway (NH-8).

**OBJECTIVE:** In the healthcare arena, Pharmacy is a basic and essential discipline that deals with the discovery, development, action, safety, formulation, use, quality control, packaging, storage, marketing, etc. of a drug. With the fast developing technological processes in the research and development of drugs and pharmaceuticals, the profession today is categorized not just as a science, but as a faculty of technology with a large socio-economic relevance to the Indian economy. India ranks third worldwide for pharmaceutical production by volume and 14th by value. India's Pharmaceutical Industry is currently valued at \$41 billion and is expected to grow to \$65 billion by 2024 and \$120-130 billion by 2030. The country has an established domestic pharmaceutical industry, with a strong network of 3,000 drug companies and about 10,500 manufacturing units. Of the 10,500 manufacturing units, a significant number are located in the Tarapur – Palghar – Boisar area. The rapid growth of this industry has also necessitated the need for trained and skilled personnel. With this objective in mind the Chairman of Aldel Education Trust, Mr. Albert W. D'souza, established St. John Institute of Pharmacy and Research (SJIPR) at Palghar.

The Institute was inaugurated and blessed by Rt. Rev. Bishop Thomas Dabre - Bishop of Vasai Diocese on August 20, 2008.

**MINORITY STATUS :** St. John Institute of Pharmacy and Research is run by Aldel Education Trust, a Christian Religious Minority Institution as notified by the Maharashtra State Minorities Development vide order dated July 25, 2008 (Ref : 2008/310/164/2008/1).

**AFFILIATIONS :** The College is approved by Pharmacy Council of India (PCI), Government of India, recognized by Directorate of Technical Education (DTE), Government of Maharashtra and affiliated to the University of Mumbai and Maharashtra State Board of Technical Education (MSBTE).

The Pharmacy Council of India (PCI) (A Statutory Body under Ministry of Health and Family Welfare, New Delhi) has approved the B. Pharm. and D. Pharm. courses u/s 12 of the Pharmacy Act 1948 for the purpose of registration as a 'Pharmacist'. The M. Pharm. course is also approved by PCI.

**ACCREDITATION :** The Institute is accredited by the National Assessment and Accreditation Council (NAAC) with CGPA of 3.08 / 4.0 and Grade 'A' for a period of five years from May 2023.

The B. Pharm. Programme was accredited by National Board of Accreditation (NBA) for a period of three years from academic year 2017-18 to 2019-20.

**AUTONOMY:** The Institute is granted with Autonomy for ten years, from 2024 to 2034, by the University Grants Commission (UGC), New Delhi and University of Mumbai in February 2024, as per the University Grants Commission (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, 2023.



**FACULTY PROFILE:** St. John Institute of Pharmacy and Research has qualified, experienced and dedicated teaching faculty, who along with the support staff are enthusiastic to nurture the young minds and guide them on the path of learning. Faculty strength for degree and diploma courses maintains the faculty:student ratio at 1:15 and 1:20 respectively.

The Institute has an Indian Society for Technical Education (ISTE) - Faculty Chapter which conducts training programs for faculty to help them enhance their skills and knowledge. Details of the faculty are available at [www.sjipr.edu.in](http://www.sjipr.edu.in)

### PROCEDURE FOR ADMISSIONS:

Following is the Intake capacity for different levels of admission to the Pharmacy programmes at SJIPR:

PROGRAMME	LEVEL	DURATION	INTAKE
D. Pharm.	Diploma	2 years	60
B. Pharm.	Degree	4 years	100
B. Pharm. – (DSP/LE)	Degree	3 years	As Notified by DTE
M. Pharm. (Pharmaceutical Quality Assurance)	Post Graduate	2 years	15
M. Pharm. (Pharmaceutics)			09
M. Pharm. (Pharmaceutical Chemistry)			15
M. Pharm. (Pharmacology)			15

**Medium of Instruction for all courses is English.**

Intake for the admission to the Direct Second Year B. Pharm. and distribution of Minority/ Institute Level / CAP as well the eligibility criteria for all admissions is as notified by State Common Entrance Test Cell, Maharashtra State. As the Institute has been granted Christian Religious Minority status by Govt. of Maharashtra, 51% of the total seats are reserved for candidates belonging to the Christian Religion domiciled in the State of Maharashtra.

Minority / Institute Level Seats: For details of the admission procedure/ schedule of activities under Minority/ Institute Level seats, kindly refer to the college notice board and the college website [www.sjipr.edu.in](http://www.sjipr.edu.in)

For details of the admission procedure / schedule of activities under Centralized Admission Process (CAP), kindly refer to State Common Entrance Test Cell, Maharashtra State, notifications on their website <https://cetcell.mahacet.org/>

**FEE STRUCTURE:** The college fee is as fixed by the Fee Regulating Authority (FRA) appointed by the Government of Maharashtra for each academic year. Enrolment /Examination/Eligibility Fee is as prescribed by the University of Mumbai.

The rules for refund of fees for all categories are as notified by the DTE, Maharashtra State.

Eligible students from Minority/Reserved categories can claim Scholarship/Freeship as per rules and regulations of the Govt. of Maharashtra.



## D. PHARM. (Diploma in Pharmacy)

### Two-Year Full-Time Diploma Programme

The Program is affiliated to the Maharashtra State Board of Technical Education (MSBTE) and is based on the curriculum as prescribed by Education Regulations, 2020 of the Pharmacy Council of India (PCI).

Diploma in Pharmacy - Part I (First Year)			Diploma in Pharmacy - Part II (Second Year)		
Subject	Hours/week	Total Marks	Subject	Hours/week	Total Marks
Pharmaceutics	3	100	Pharmacology	3	100
Pharmaceutical Chemistry	3	100	Community Pharmacy and Management	3	100
Pharmacognosy	3	100	Biochemistry and Clinical Pathology	3	100
Human Anatomy and Physiology	3	100	Pharmacotherapeutics	3	100
Social Pharmacy	3	100	Hospital and Clinical Pharmacy	3	100
Pharmaceutics Lab	3	100	Pharmacy Law and Ethics	3	100
Pharmaceutical Chemistry Lab	3	100	Pharmacology Lab	3	100
Pharmacognosy Lab	3	100	Community Pharmacy and Management Lab	3	100
Human Anatomy and Physiology Lab	3	100	Biochemistry and Clinical Pathology Lab	3	100

### Scheme of assessment for the D. Pharm. Programme

THEORY COURSES			PRACTICAL COURSES			
Internal Assessment	End Semester Examination	Total for each Theory Course	Internal Assessment		End Semester Examination	Total for each Practical
Average of Three Sessional Examinations			Day-to-day Assessment in Practical Classwork	Average of Three Sessional Examinations		
20 marks	80 marks	100 marks	10 marks	10 marks	80 marks	100 marks

After having appeared in Part-II examination for the Diploma in Pharmacy, conducted by Board/University the student will have to undergo practical training in either a Hospital/Pharmacy/Chemist and Druggist/Drugs Manufacturing Unit which are licensed under the Drugs and Cosmetics Act, 1940.

During the course of practical training, the trainee shall have exposure to working knowledge of keeping of records required by various Acts concerning the profession of Pharmacy. He/she will also gain practical experience in the application of commonly used pharmaceutical apparatus, reading, translation and copying of prescription including checking of doses, dispensing of prescription, illustrating the commoner methods of administering medicaments and the storage of drugs and medical preparations.

The practical training shall be not less than five hundred hours spread over a period of not less than three months, provided that not less than two hundred and fifty hours are devoted to actual dispensing of prescriptions.

### Admission Criteria

Admission to the D. Pharm. programme is governed by the rules and regulations of Maharashtra State Board of Technical Education and is as per norms of the Govt. of Maharashtra through the Directorate of Technical Education (DTE) and Pharmacy Council of India (PCI).

The candidate should have passed the Higher Secondary Certificate (Std. XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Biology or Mathematics

**There is no entrance test for admission to D. Pharm. Programme.**



## Programs under AUTONOMY

**SJIPR remains Affiliated to University of Mumbai**, however, the Autonomous Status, along with the implementation of the National Education Policy 2020, will enable us to further enrich our curriculum with industry-relevant skill-sets and shape careers of students to meet the increasing demand of competent Pharmacists locally and globally. Our focus will be on the emerging areas of research and development in pharmaceutical sciences.

**The immediate benefits and advantages for our students are:**

- Curriculum enriched with industry-relevant content and additional skilling
- Well-planned and systematic Academic Calendar
- Examination Calendar declared well in advance
- Timely assessment and declaration of results

**Students will receive their Degrees from University of Mumbai**, but the added advantage of the enriched curriculum offered by an Autonomous Institute would surely give them an edge over their fellow graduates from non-autonomous affiliated colleges of the University.

The Management of Aldel Education Trust and the Governing Body of SJIPR, in accordance with the regulations of UGC and University of Mumbai, have decided to implement the Autonomous status from academic year 2024-25 for all the existing programs and classes commencing from June 2024.

## B. PHARM. (Bachelor of Pharmacy)

### Four-Year Full-Time Degree Programme

University of Mumbai, under the guidance from UGC, introduced the Choice Based Credit System for programmes under the Faculty of Technology from academic year 2016-17. The Pharmacy Council of India (PCI) in exercise of the powers conferred to it under the sections 10 and 18 of the Pharmacy Act 1948 (8 of 1948), with the approval of the Central Government, had made the Bachelor of Pharmacy (B. Pharm.) Course Regulations, 2014 vide Gazette dated December 10, 2014, which was implemented by University of Mumbai from academic year 2019-20.

This Choice Based Credit System enables the much-required shift in focus from teacher-centric to learner-centric education, since the workload estimated is based on the investment of time in learning and not in teaching. It also focuses on continuous evaluation which will enhance the quality of education. The minimum credit points required for award of a B. Pharm. degree is 208 plus credit of 1 for extra-curricular and co-curricular activities. These credits are divided into Theory courses, Tutorials, Practical, Practice School and Project over the duration of eight semesters. The credits are distributed semester wise as shown in the structure and syllabus manual. Courses generally progress in sequences, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester wise schedule of courses given in the syllabus.

First Year B. Pharm. - Semester I				First Year B. Pharm. - Semester II			
Subject	H&S/WK	Credits	Total	Subject	H&S/WK	Credits	Total
Human Anatomy and Physiology I-Theory	4	4	100	Human Anatomy and Physiology II-Theory	4	4	100
Pharmaceutical Analysis I- Theory	4	4	100	Pharmaceutical Organic Chemistry I-Theory	4	4	100
Pharmaceutics I- Theory	4	4	100	Biochemistry-Theory	4	4	100
Pharmaceutical Inorganic Chemistry-Theory	4	4	100	Pathophysiology- Theory	4	4	100
Communication Skills- Theory (NUES)	2	2	50	Computer Applications in Pharmacy-Theory (NUES)	3	3	75
Remedial Biology/ Remedial Mathematics-Theory(NUES)	2	2	50	Environmental Sciences-Theory (NUES)	3	3	75
Human Anatomy and Physiology-Practical	4	2	50	Human Anatomy and Physiology II-Practical	4	2	50
Pharmaceutical Analysis I- Practical	4	2	50	Pharmaceutical Organic Chemistry I-Practical	4	2	50
Pharmaceutics I- Practical	4	2	50	Biochemistry-Practical	4	2	50
Pharmaceutical Inorganic Chemistry – Practical	4	2	50	Computer Applications in Pharmacy-Practical (NUES)	2	1	25
Communication Skills-Practical(NUES)	2	1	25				
Remedial Biology- Practical (NUES)	2	1	25				



Second Year B. Pharm. - Semester III				Second Year B. Pharm. - Semester IV			
Subject	H&S/WK	Credits	Total	Subject	H&S/WK	Credits	Total
Pharmaceutical Organic Chemistry II - Theory	4	4	100	Pharmaceutical Organic Chemistry III – Theory	4	4	100
Physical Pharmaceutics I– Theory	4	4	100	Medicinal Chemistry I– Theory	4	4	100
Pharmaceutical Microbiology- Theory	4	4	100	Physical Pharmaceutics II– Theory	4	4	100
Pharmaceutical Engineering – Theory	4	4	100	Pharmacology I- Theory	4	4	100
Pharmaceutical Organic Chemistry II- Practical	4	2	50	Pharmacognosy and Phytochemistry I- Theory	4	4	100
Physical Pharmaceutics I-Practical	4	2	50	Medicinal Chemistry I-Practical	4	2	50
Pharmaceutical Microbiology-Practical	4	2	50	Physical Pharmaceutics II– Practical	4	2	50
				Pharmacology I- Practical	4	2	50
				Pharmacognosy and Phytochemistry I- Practical	4	2	50

Third Year B. Pharm. - Semester V				Third Year B. Pharm. - Semester VI			
Subject	H&S/WK	Credits	Total	Subject	H&S/WK	Credits	Total
Medicinal Chemistry II– Theory	4	4	100	Medicinal Chemistry III– Theory	4	4	100
Industrial Pharmacy I-Theory	4	4	100	Pharmacology III- Theory	4	4	100
Pharmacology II- Theory	4	4	100	Herbal Drug Technology	4	4	100
Pharmacognosy and Phytochemistry II- Theory	4	4	100	Biopharmaceutics and Pharmacokinetics- Theory	4	4	100
Pharmaceutical Jurisprudence-Theory	4	4	100	Pharmaceutical Biotechnology-Theory	4	4	100
Industrial Pharmacy I-Practical	4	2	50	Quality Assurance-Theory	4	4	100
Pharmacology II- Practical	4	2	50	Medicinal Chemistry III-Practical	4	2	50
Pharmacognosy and Phytochemistry II- Practical	4	2	50	Pharmacology III- Practical	4	2	50
				Herbal Drug Technology-Practical	4	2	50

Final Year B. Pharm. - Semester VII				Final Year B. Pharm. - Semester VIII			
Subject	H&S/WK	Credits	Total	Subject	H&S/WK	Credits	Total
Instrumental Methods of Analysis– Theory	4	4	100	Biostatistics and Research Methodology	4	4	100
Industrial Pharmacy II-Theory	4	4	100	Social and Preventive Pharmacy	4	4	100
Pharmacy Practice- Theory	4	4	100	*Elective Theory Course 1	4	4	100
Novel Drug Delivery System-Theory	4	4	100	*Elective Theory Course 2	4	4	100
Practice School	4	2	50	Project Work	12	6	150
Instrumental Methods of Analysis– Practical	12	6	150				

**\*Elective Theory Courses** (Any two courses from the following) - Pharma Marketing Management, Pharmaceutical Regulatory Science, Pharmacovigilance, Quality Control and Standardization of Herbals, Computer Aided Drug Design, Cell and Molecular Biology, Cosmetic Science, Experimental Pharmacology, Advanced Instrumentation Techniques, Dietary Supplements and Nutraceuticals, Pharmaceutical Product Development

**\*Skill-based and Value-Added Courses** - To develop Employability Skills and make our students Placement-Ready the Institute has planned 2 Credit Courses in domains relevant to industry applications which will be introduced every Semester under the Autonomous Status.



## Scheme of Assessment for the B. Pharm. Programme

THEORY COURSES						PRACTICAL COURSES			
Internal Assessment				End Semester Exam	Total for each Theory Course	Internal Assessment		End Semester Exam	Total for each Practical Course
Continuous Mode (10)			Sessional Exams			Continuous Mode of Evaluation and Attendance	Sessional Exams		
Attendance	Academic activities (Quiz, Assignments, Open Book Test)	Student – Teacher interaction							
4	3	3	15	75	100	5	10	35	50

### Letter Grades and Grade Point Allocations:

In every course, based on the combined performance in all assessments in a particular semester as per the curriculum/syllabus, the learner is awarded a Letter Grade. These Letter Grades not only indicate a qualitative assessment of the learner's performance but also carry a quantitative (numeric) equivalent called the Grade Point.

The Letter Grades and Grade Points equivalent to Percentage of Marks and Performances are given below:

Percentage of Marks Obtained	Letter Grade	Grade Points	Performance
90.00 – 100	O	10	Outstanding
80.00 – 89.99	A	9	Excellent
70.00 – 79.99	B	8	Good
60.00 – 69.99	C	7	Fair
50.00 – 59.99	D	6	Average
Less than 50	F	0	Fail
Absent	AB	0	Fail

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/ examination in due course.

For further details -Credit and Grading Manual - [www.sjipr.edu.in](http://www.sjipr.edu.in)

### Admission Criteria

#### First Year B. Pharm.:

Admission to the B. Pharm. program at SJIPR is governed by the rules and regulations of University of Mumbai and is as per norms of the Govt. of Maharashtra through the State CET-CELL (Maharashtra State) and The Pharmacy Council of India (PCI, New Delhi).

A learner who has 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 50% marks (at least 45 marks in case of candidates of backward category and persons with disability belonging to Maharashtra State only) in the above subjects taken together and obtained score in CET/ NEET / any other equivalent exam is eligible for admission to Semester I of First Year B. Pharm.

Minimum qualification for admission into Bachelor of Pharmacy program would be according to the rules and regulations of PCI, Government of Maharashtra and University of Mumbai in force at the time of admission

- From the academic year 2016-17, Government of Maharashtra is conducting a single combined "Common Entrance Test" MHT-CET for all Pharmacy, Engineering and Agriculture degree courses.

Details are available at <https://cetcell.mahacet.org/>

#### Lateral Entry to Second Year B. Pharm. - Semester III .:

A Learner who has passed Diploma course in Pharmacy with an aggregate of 45% (at least 40 marks in case of candidates of backward category and persons with disability belonging to Maharashtra State only) from a Pharmacy Council of India or Central or State Government approved institutions or its equivalent is eligible for admission to Direct Second Year B. Pharm..

However, the rules/regulations and qualifications for admission will be those in effect at the day and time of admission.

## M. PHARM. (Master of Pharmacy)

### Two-Year Full-Time Post-Graduate Degree Programme

The Choice Based Credit System was introduced for the Post-Graduate M. Pharm. programme from academic year 2016-17. The Pharmacy Council of India (PCI) in exercise of the powers conferred to it under the sections 10 and 18 of the Pharmacy Act 1948 (8 of 1948), with the approval of the Central Government, had made the Master of Pharmacy (M. Pharm.) Course regulations vide Gazette dated December 10, 2014.

The minimum credit points required for the award of M. Pharm. degree is 95. However, based on the credit points earned by the students under the head of co-curricular activities, a student shall earn a maximum of 100 credit points. These credits are divided into Theory courses, Practical, Seminars, Assignments, Research work, Discussions with the supervisor, Journal Club and Co-Curricular activities over the duration of four semesters.

**The credits are distributed semester-wise as shown below:**

#### FIRST YEAR M. PHARM.

Semester I - Subjects	Hrs/Wk	Credits	Marks	Semester II - Subjects	Hrs/Wk	Credits	Marks
<b>Branch - PHARMACEUTICAL QUALITY ASSURANCE</b>							
Modern Pharmaceutical Analytical Techniques	4	4	100	Hazards and Safety Management	4	4	100
Quality Management System	4	4	100	Pharmaceutical Validation	4	4	100
Quality Control and Quality Assurance	4	4	100	Audits and Regulatory Compliance	4	4	100
Product Development and Technology Transfer	4	4	100	Pharmaceutical Manufacturing Technology	4	4	100
Pharmaceutical Quality Assurance Practical I	12	6	150	Pharmaceutical Quality Assurance Practical II	12	6	150
Seminar/Assignment	7	4	100	Seminar/Assignment	7	4	100

<b>Branch - PHARMACEUTICS</b>							
Modern Pharmaceutical Analytical Techniques	4	4	100	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	4	4	100
Drug Delivery System	4	4	100	Advanced Biopharmaceutics & Pharmacokinetics	4	4	100
Modern Pharmaceutics	4	4	100	Computer Aided Drug Delivery System	4	4	100
Regulatory Affairs	4	4	100	Cosmetic and Cosmeceuticals	4	4	100
Pharmaceutics Practical I	12	6	150	Pharmaceutics Practical II	12	6	150
Seminar/Assignment	7	4	100	Seminar/Assignment	7	4	100

<b>Branch - PHARMACEUTICAL CHEMISTRY</b>							
Modern Pharmaceutical Analytical Techniques	4	4	100	Advanced Spectral Analysis	4	4	100
Advanced Organic Chemistry I	4	4	100	Advanced Organic Chemistry II	4	4	100
Advanced Medicinal Chemistry	4	4	100	Computer Aided Drug Design	4	4	100
Chemistry of Natural Products	4	4	100	Pharmaceutical Process Chemistry	4	4	100
Pharmaceutical Chemistry Practical I	12	6	150	Pharmaceutical Chemistry Practical II	12	6	150
Seminar/Assignment	7	4	100	Seminar/Assignment	7	4	100

<b>Branch - PHARMACOLOGY</b>							
Modern Pharmaceutical Analytical Techniques	4	4	100	Advanced Pharmacology II	4	4	100
Advanced Pharmacology I	4	4	100	Principles of Drug Discovery	4	4	100
Pharmacological and Toxicological Screening Methods I	4	4	100	Pharmacological and Toxicological Screening Methods II	4	4	100
Cellular & Molecular Pharmacology	4	4	100	Experimental Pharmacology Practical II	4	4	100
Pharmacology Practical I	12	6	150	Pharmacology Practical II	12	6	150
Seminar/Assignment	7	4	100	Seminar/Assignment	7	4	100

#### Scheme of Assessment for M. Pharm. Programme – Semester I and II

THEORY COURSES					PRACTICAL COURSES			
Internal Assessment			End Semester Exam	Total for each Theory Course	Internal Assessment		End Semester Exam	Total for each Practical Course
Continuous Mode (10)		Sessional Exams			Continuous Mode of Evaluation and Assessment	Sessional Exams		
Attendance	Student Teacher Interaction							
8	2	15	75	100	10	10	30	50



**SECOND YEAR M. PHARM.**

<b>All Branches:</b>	<b>Hrs/Wk</b>	<b>Credits</b>	<b>Marks</b>		
<b>Subjects</b>			<b>Semester III</b>	<b>Semester IV</b>	<b>Total</b>
Research Methodology and Biostatistics (NUES)	4	4	100	–	100
Journal Club	2	2	25	25	50
Discussion/Presentation (Proposal Presentation)	5	5	50	75	125
Research Work	30	30	–	750	750
<b>Total Marks</b>			175	850	1025

**Research Work:** Dissertation / Project is a mandatory requirement in the post-graduate programme. The Dissertation/Project is spread over one-year duration, normally starting from the third semester and ending with the fourth semester. These are essentially research and development projects, where a learner trains him/herself, under the guidance of supervisor/s, in in-depth analysis of pharmacy related research area and attempts a solution to the issue under investigation. It includes literature survey, problem analysis and problem definition, extensive experimental/modeling work, and analysis of results typically form various components of the Dissertation/Project work. Dissertation carries a total of 30 credits.

For evaluation of Dissertation, a learner has to submit required number of hard bound Dissertation/Thesis reports to the respective section of University. The viva voce examination on the thesis submitted by the learner will be done by both the external examiner and PG teacher jointly on the research work compiled in the thesis.

**Total Credits for M. Pharm.:**

Letter grades and grade points allocations:

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given below:

<b>Percentage of Marks Obtained</b>	<b>Letter Grade</b>	<b>Grade Points</b>	<b>Performance</b>
<b>90.00 – 100</b>	<b>O</b>	<b>10</b>	<b>Outstanding</b>
<b>80.00 – 89.99</b>	<b>A</b>	<b>9</b>	<b>Excellent</b>
<b>70.00 – 79.99</b>	<b>B</b>	<b>8</b>	<b>Good</b>
<b>60.00 – 69.99</b>	<b>C</b>	<b>7</b>	<b>Fair</b>
<b>50.00 – 59.99</b>	<b>D</b>	<b>6</b>	<b>Average</b>
<b>Less than 50</b>	<b>F</b>	<b>0</b>	<b>Fail</b>
<b>Absent</b>	<b>AB</b>	<b>0</b>	<b>Fail</b>

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/ examination in due course.

**Admission Criteria**

Admission to the M. Pharm. programme of University of Mumbai is governed by the rules and regulations of University of Mumbai and as per norms of the Govt. of Maharashtra through State CET Cell and the Directorate of Technical Education (DTE) and The Pharmacy Council of India (PCI, New Delhi) in force at the time of admission and as amended from time to time.

In general, a learner who has passed the examination for the B. Pharm. Degree from All India Council for Technical Education or Pharmacy Council of India or Central or State Government approved institutions, with at least 55 % marks (at least 50% marks in case of SC or ST category and persons with disability belonging to Maharashtra State only) and obtained a score in Graduate Pharmacy Aptitude Test conducted by National Testing Agency (NTA) may be admitted to the M. Pharm. Programme (Partly by Papers and Partly by Research). However, the rules/regulations and qualifications for admission will be those in effect at the day and time of admission

Admissions to the M. Pharm. (All Branches) programme will be as per the rules and procedures prescribed by Govt. of Maharashtra through State CET Cell. Kindly check the DTE website, <https://cetcell.mahacet.org/>, for detailed information on the admission procedure. Candidates should contact the college office for admission to Institute Level Seats and seats remaining vacant after the completion of admission rounds by the State CET Cell.

## Value Addition Programmes at St. John Technical and Educational Campus:

**CORPORATE RELATIONS, EMPLOYABILITY, PLACEMENT AND TRAINING (CREPT) CELL** has been formed in the campus consisting of the Training and Placement Officers and faculty representatives of various colleges in the campus. CREPT cell aims at developing corporate relations by continuous interaction with various industries and thereby creating visibility of the campus and students in the corporate sector. Through these efforts companies are being approached for recruitment, internship, expert lectures and other professional collaborations.

CREPT team endeavours to instill in students an attitude of continuous learning and prioritizing to further their careers. The training programmes developed by the CREPT team intend to equip students with relevant employability skills, which include not only technical but also managerial skills. The team has initiated various training programs to improve students' employability skills. Students are also trained in Aptitude Tests, Technical Skills, Group Discussions and Personal Interviews. These training programmes make students understand what is employability, various skills required to be employed, expectations of industry from freshers, etiquettes, professional behaviour and ethical workplace practices.



Guest Lecture



Group Discussions



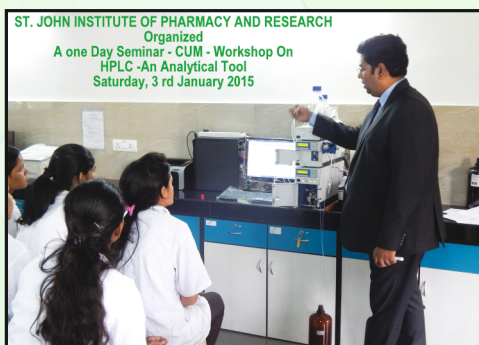
Language Laboratory

**CENTER FOR SOFT SKILL AND PERSONALITY DEVELOPMENT (CSSPD):** The college has established CSSPD in order to develop the soft skills of students' like competency in English communication- Listening, Speaking, Reading and Writing, Leadership ability, Team Work, Time Management etc. and groom them according to the needs of the corporate world. CSSPD conducts Certification training programmes like 'Expressing Effectively and Efficiently' and 'Campus to Corporate' which helps students to improve their employability skills and make them industry ready.

**SKILLS TRAINING FOR EMPLOYABILITY PROGRAMME (STEP)** is a student driven initiative for all the branches at St. John Technical Campus. A team comprising of second, third and final year students and technical experts within and off campus have collaborated to develop students technical competencies. The purpose of STEP is to update and train students with latest technical developments happening in the industry, through various activities like Workshops, Seminars, Industrial Visits and Certification programmes thus bridging the gap between Industry and Academia



Regulatory Affairs – Certification Course



Workshop on Sophisticated Instrumentation



Workshop on Extraction Techniques



**INDUSTRIAL TRAINING & PLACEMENT :** Industrial training is organized for students during the semester break after they complete the third year. Such training plays an important role in preparing the student for a professional career. The student learns about the skill sets required, demands of the industry and also work ethics. The industry exposure provides an opportunity to engage with the profession to which they aspire in a realistic work environment; appreciate and understand the practical application of their academic program; work with professional mentors and to begin to build networks within their profession.



Associated Capsules, Dahanu



Karuna Hospital , Borivli



Human Biologicals, Hyderabad



Graduates from SJIPR are placed in well-known pharma companies like GSK Pharma, TCS, Sun Pharmaceuticals, Franco-Indian Pharmaceuticals, Samrudh Pharmaceuticals, Indoco Remedies.

**TECHNICAL EVENTS - 'SYMPHORIA' :** St. John Institute of Pharmacy and Research organizes 'Symphoria', an annual technical event which includes debates, poster and oral presentations, guest lectures and quizzes. Deliberations on recent trends in innovative areas of research with guest faculty from industry and academia and intercollegiate participation provides students with an opportunity to interact with experts in these fields. Such activities promote innovative thinking and allow students to share their knowledge and ideas with other students.



**SCIENCE FEST:** Science Fest - "A journey from Science to Innovative Technology" is organized every year in January at St. John Technical and Educational Campus. Science Fest aims at introducing young students to a scientific environment and inculcating in them a desire to seek additional knowledge and skills in areas of their interest. Students of all Institutes within the campus showcase and demonstrate their innovative projects and ideas.



**EXTRA CURRICULAR ACTIVITIES :** Aldel Education Trust believes in the overall development of students by providing in addition to academics, facilities that would bring out sportsmanship and team spirit. While a huge ground is developed for the purpose, games like Carrom, Chess, Volleyball, Football, Cricket, Badminton etc. have already been provided for. The students celebrate the Sports Week and Annual Day every year with a great deal of enthusiasm. 'Coalesce' the annual magazine, a combined effort of the staff and students, is released every year on the Annual Day as a part of 'Spectrum' which comprises all the activities in the campus.



Sports &amp; Cultural Activities



NSS Activities



## INFRASTRUCTURE

**BUILDING:** St. John Institute of Pharmacy and Research is housed in an independent building in a large 13.5 acre campus at Vevoor, Palghar. The building is located in lush green premises and has a well stocked Library, state-of-the-art Computer Center, well -equipped Laboratories and spacious Classrooms. Instrument Room and Machine Room are fully operational with modern equipments and machinery. The playground and recreation facilities provided create a congenial environment for students.

**DEPARTMENTS:** The M. Pharm., B. Pharm. and D. Pharm. programmes educate the young pharmacist with expertise in areas ranging from Community Pharmacy to Industrial Pharmacy

**PHARMACEUTICS** is the science of dosage form design and deals with the processing of a New Chemical Entity (NCE) into a safe and effective formulation. A student develops his thought processes towards formulation development through the study of the various topics contained in the subjects of Physical Pharmacy, Pharmaceutics, Pharmaceutical Engineering, Cosmeticology, Biopharmaceutics & Pharmacokinetics and Novel Drug Delivery Systems. Course material content comprising of theory and practicals in each of the above mentioned subjects trains the students in procedures for drug and formulation development as well as the operations of an industrial setup.



Pharmaceutics Lab



Aseptic Area



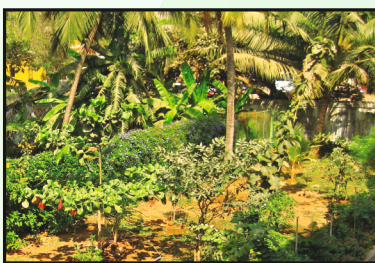
Pharmaceutical Chemistry Lab

**PHARMACEUTICAL CHEMISTRY** includes subjects of General Chemistry, Organic Chemistry, Pharmaceutical Medicinal Chemistry and Pharmaceutical Analysis. During the four year program students are instructed in all aspects of drug design- from the chemistry of drugs, their structural modifications and synthesis of bulk drugs; to the quality control and quality assurance of formulations.

**PHARMACOLOGY** deals with the pattern of drug treatment and mechanisms of drug action. With the study of Anatomy, Physiology & Pathophysiology, Pharmacology, Clinical Pharmacy and Drug Interactions, the focus is to elucidate the complexity of drug therapy while the laboratory sessions enable students to comprehend the various parameters useful for the analysis of drug action. The department has a CCSEA recognised well-equipped Animal House. Several projects on animal studies are undertaken by M. Pharm. students.



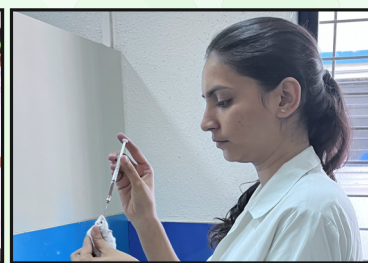
Class Room



Medicinal Plant Garden



Pharmacognosy Lab



Animal House

**PHARMACOGNOSY** encompasses the study of crude drugs that include plant, animal and marine sources. The subject deals with the discovery, characterization, production and standardization of drugs from natural sources and forms a basis for the study of nutraceuticals and cosmeceuticals.

These four core subjects are complemented by the study of other auxiliary subjects like Biochemistry, Microbiology, Biotechnology, Hospital Pharmacy, Drug Store Management, Jurisprudence, Mathematics and Statistics. With this intense program of study a graduate in Pharmacy is equipped for an array of career opportunities available in Production, Formulation & Development, Research & Development, Quality Control & Analysis, Regulatory Affairs, Marketing & Sales, Hospital & Community Pharmacy.



**INSTRUMENT ROOM and MACHINE ROOM** are fully operational with state-of-the-art equipment and modern machinery. Equipments and machines required to deal with dosage development including liquid orals, ointments, creams, gels, powders, capsules, tablets, coating pan, size reduction mills are in use. Sophisticated analytical instruments, such as the HPLC, UV-Vis Spectrophotometer and IR Spectrophotometer necessary for the analysis of various formulations have been provided. The Campus has 24x7 Power Supply, and UPS services required for the operation of these equipments and machinery during analysis and testing are available.



Machine Room



Instrument Room



Computer Centre

**COMPUTER CENTRE:** St. John Institute of Pharmacy and Research has spacious well equipped and advanced computer facilities. The entire department, library and administrative offices are equipped with 24x7 Internet connectivity, through a 60 Mbps leased line. The Campus is Wi-Fi Enabled.

**LIBRARY:** The College library has acquired a valuable collection of various reference as well as home- issue books. We also subscribe to a number of both national and international Journals. The library can accommodate about 60 users at a time. E-Journals have been subscribed to and are made available to users in a dedicated Digital Library. Computer Facilities have been provided to enable students to view the Audiovisuals / Cds available with the latest editions of books. The latest news in the field of pharmaceutical sciences is displayed on the notice- board. Reprographic facility is made available for the benefit of the users. Details of the library books and journals may be accessed on our website, [www.sjipr.edu.in](http://www.sjipr.edu.in)



Library



Students Accommodation

**STUDENTS ACCOMODATION:** St. John Technical Campus provides separate accommodation facilities for girls and boys. Shared accommodation for girl students is within the college campus and under the supervision of Religious Sisters. Boys are provided shared accommodation facility in the adjoining campus.

**CANTEEN AND ADDITIONAL FACILITIES:** The campus possesses a spacious hygienic well ventilated canteen aptly positioned in an airy atmosphere, surrounded by dense foliage on one side and the playground on the other. The menu features dishes from traditional meals to Chinese variety at subsidized rates.

Medical Facilities within the Campus, Banking facilities, Photocopying and Communication Center, Bus service to and from Palghar Railway Station



Canteen



Bank



Xerox



Bus



### GENERAL INSTRUCTIONS:

**ATTENDANCE:** Every student must complete, to the satisfaction of the Principal, the courses of study at the College prescribed for such term for the class to which the student belongs. The student must keep a minimum attendance of three-fourths (75%) of the number of days on which lectures and practicals are held in a term.

**CONDUCT AND DISCIPLINE:** The Management of St. John Institute of Pharmacy and Research along with involvement of faculty and parents is committed to healthy discipline and high academic standards of the college. Students are required to co-operate to maintain the same.

**RISKS (INSURANCE):** Students are covered under Yuva Raksha Group Insurance Scheme for students as per the directions of the University of Mumbai.

**PREVENTION OF RAGGING:** "Ragging is prohibited as per the decision of Supreme Court of India in Writ Petition No. (C) 656/1998." Students indulging in ragging in any form in the College Campus or in the vicinity will be strictly dealt with and punished as per the provision of the Maharashtra Prohibition of Ragging Act 1999 and AICTE Regulations 2009.

**PLAYING WITH COLOURS /OTHER MATERIALS:** Playing with colors or any other material inside the College Campus or in the vicinity or adjoining places outside the College Campus during festivals is strictly forbidden. Students found indulging in such activity are liable for strict disciplinary action.

**USE OF MOBILE PHONES IN THE COLLEGE PREMISES IS BANNED:** As per Mumbai University's Circular Ref. no. UG/552 of 2004 dated 31st December 2004, use of Mobile Phones in the College premises is banned. Strict action will be taken against students found violating this rule by confiscating their Mobile Phone as well as a fine.

**STATUTORY COMMITTEES:** The Anti-Ragging Committee, Anti-Ragging Squad, Grievance Redressal Committee, Women's Grievance Redressal Cell and all other necessary committees have been formed in accordance with the guidelines issued by the University of Mumbai / MSBTE / PCI and DTE. Details of the Committees are available on the College Website / College Notice Board.

### ACHIEVEMENTS

- ✦ Autonomous Status granted by UGC, New Delhi and University of Mumbai in February 2024
- ✦ BEST COLLEGE (Rural) Award by University of Mumbai in September 2023
- ✦ NAAC Accreditation with CGPA 3.08/4.0 and Grade A (2023-2028)
- ✦ NBA Accredited B. Pharm. Program (2017-2020)
- ✦ The Diploma in Pharmacy program at SJIPR has been ranked **"VERY GOOD"** by the Maharashtra State Board of Technical Education (MSBTE). This ranking is based on the infrastructure, teaching-learning and overall performance of the institute.
- ✦ 40 Research Grants sanctioned to Teaching Faculty Members by University of Mumbai.
- ✦ Rajiv Gandhi Science and Technology Commission Project sanctioned in 2022-23.
- ✦ AICTE - MODROBS Project sanctioned in 2018-19 by All India Council for Technical Education.
- ✦ Indian Council of Medical Research (ICMR) sanctioned Grants in 2013 and 2018 for conducting National Symposia.
- ✦ AICTE-ISTE Grants in 2018 and 2021 for conducting Faculty Induction Programme
- ✦ Institutional Membership of Indian Society for Technical Education (ISTE).
- ✦ Indian Pharmaceutical Association (IPA) Palghar Local Branch established in September 2022.
- ✦ Management of Aldel Education Trust and St. John Institute of Pharmacy and Research has sponsored teaching faculty members for Ph. D. by Research.
- ✦ GPAT training In-house and several GPAT and NIPER qualified students every year.
- ✦ Ms. Saloni Jain secured the First Rank at the Final Year B. Pharm. Examination conducted by the University of Mumbai in May 2013 and was the University Topper.
- ✦ Ms. Mugdha Raut secured highest (CGPA 9.07) at the Final Year B. Pharm. examination conducted by the University of Mumbai in May 2016.
- ✦ Mr. Krishnakumar Yadav secured 2nd rank at Final Year B. Pharm. examinations conducted by University of Mumbai in May 2015.
- ✦ Graduates from SJIPR are pursuing their higher studies from Renowned Institutes like NIPER, Bombay College of Pharmacy, K M Kundnani College of Pharmacy, Manipal Institute of Technology and Institutes abroad.
- ✦ Faculty and students participated and won prizes in Poster Presentation at events like Indian Pharmaceutical Congress (IPC), Avishkar etc. Institute has also organised the technical event 'Science Fest' every year since 2014.
- ✦ Registered 'St. John Campus Alumni Association'



**Ms. Saloni Jain**  
Mumbai University Topper  
Final Year B. Pharm. 2013



**Mr. Krishnakumar Yadav**  
2nd Rank at University of Mumbai  
Final Year B. Pharm. 2015



**Ms. Mugdha N. Raut**  
Highest CGPA at University of Mumbai,  
Final Year B. Pharm. 2016



## GOVERNING COUNCIL - ALDEL EDUCATION TRUST

Sr. No	Name of the Member	Designation	Position in Governing Council
1	Mr. Albert W. D'Souza	Chairman, Aldel Education Trust Managing Director, Printania Offset Pvt. Ltd., Mumbai	Chairman
2	Mrs. Elvina D'Souza	Secretary, Aldel Education Trust Director - Printania Group of Industries, Mumbai	Secretary
3	Mrs. Elaine D'Souza Buthello	Treasurer, Aldel Education Trust Partner – Print Processors, Mumbai	Treasurer
4	Mr. Aldridge D'Souza	Member Trustee - Aldel Education Trust Director - Printania Group of Industries, Mumbai Partner – Aldel Consultancy Services, Mumbai	Member
5	Rev. Archbishop Leo Cornelio SVD	Archbishop Emeritus of Bhopal	Educationist
6	Most Rev. Bishop Gerald Almeida	Bishop of Jabalpur Diocese Chairman - St. Aloysius Institute of Technology, Jabalpur	Educationist
7	Rev. Bishop Thomas D'Souza	Bishop of Vasai Diocese	Educationist
8	Mr. George Castelino	Chief Executive - M Power Energy Associates, Mumbai; Director, Model Co-op Bank Ltd., Mumbai; Governing Council Member - St. Francis Institute of Management and Research, Mumbai	Industry Representative
9	Rev. Fr. Adolph Furtado	Former Vice Provincial & Ex-Director, Don Bosco Institute of Technology, Mumbai.	Educationist
10	Rev. Fr. Praveen Martis	Vice Chancellor, St. Aloysius (Deemed to be) University, Mangaluru	Educationist
11	Rev. Fr. Joby Mathew	Provincial and Chairman, St. Paul's Institute of Communication Education for Women, Bandra	Educationist
12	Rev. Sr. Dr. M. Venissa A.C.	Principal, St Agnes College (Autonomous), Mangalore	Educationist
13	Dr. Suhas Pednekar	Former Vice Chancellor, University of Mumbai	Educationist
14	Dr. S. Krishnamoorthy	Advisor - Aldel Education Trust, Director, Research & Development - Don Bosco Institute of Technology, Mumbai	Educationist
15	Mr. C.S. Sangitrao (I.A.S. Retd.)	Former Principal Secretary to the Chief Minister of Maharashtra	Professional
16	Dr. K. Venkatesham (I.P.S. Retd.)	Former Director General Of Police, Maharashtra	Professional
17	Mr. Sunil Lobo	Head – Corporate Banking, Doha Bank, India	Industry Representative
18	Mr. Royston Braganza	CEO, Gramin Capital India	Industry Representative
19	Dr. Evans Coutinho	Dean Research, St. John Technical and Educational Campus	Educationist
20	Dr. Savita J Tauro	Principal, St. John Institute of Pharmacy and Research (Autonomous)	Member - Secretary

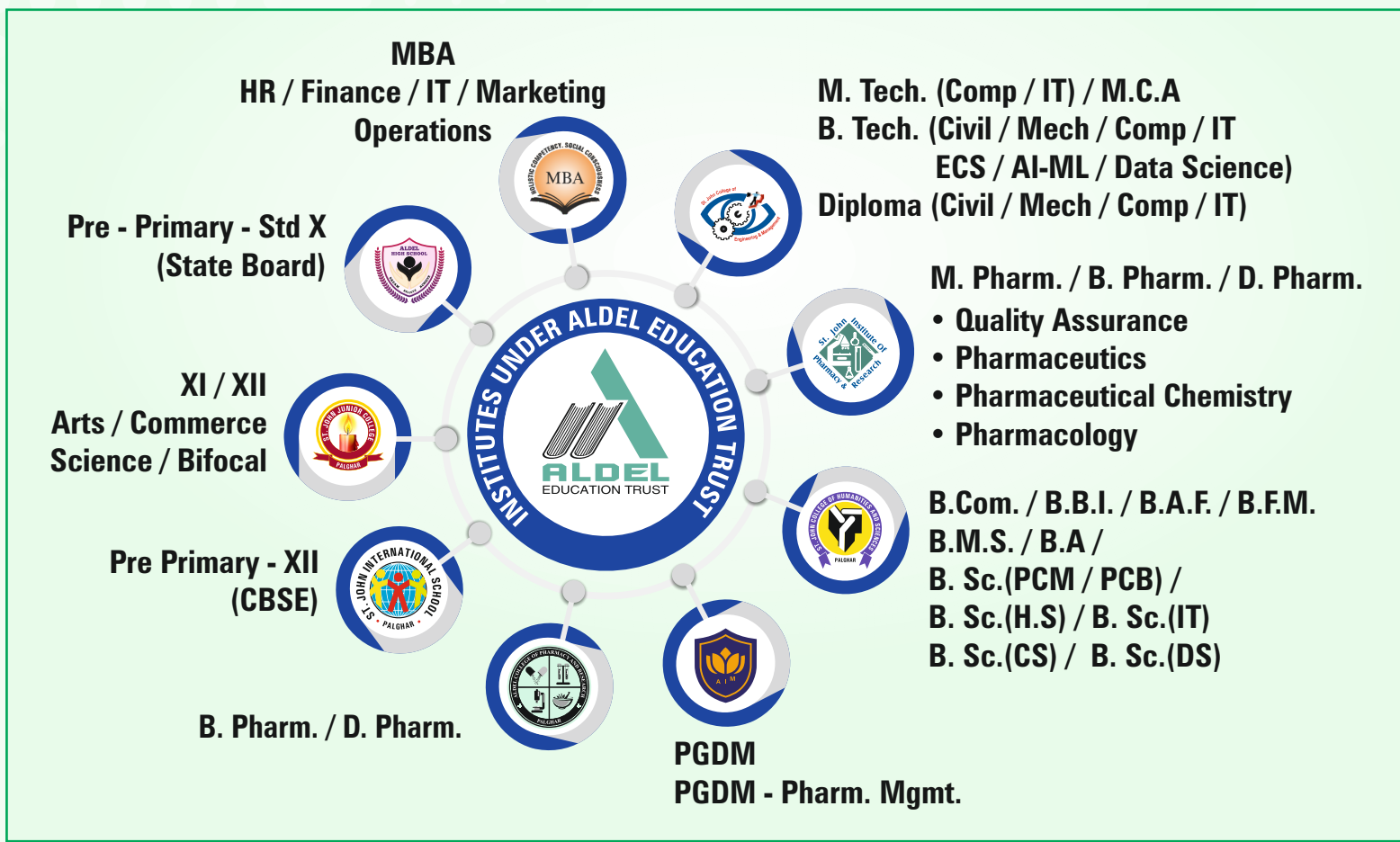
**ABOUT ALDEL EDUCATION TRUST :** Aldel Education Trust is a Christian Religious Minority Trust established with the objective of providing professional knowledge, developing expertise and enhancing creativity of youth. **Mr. Albert W. D'souza**, the Founder – Chairman of the Trust, is a philanthropist and renowned industrialist. He has been awarded 'Entrepreneur of the Year' award and today heads an internationally reputed Printing and Publishing Firm. It was and is the dream of the founder, **Mr. Albert W. D'souza**, to develop the youth of our society by providing them with specialized professional education. He has been involved in this movement by actively participating and supporting the development of several Minority Technical Institutes run by the Christian Religious Community in the Country. His intense foresight in the field of education has created excellent opportunities for the students, enabling them to seek promising careers. His desire to contribute personally to this cause resulted in the inception of Aldel Education Trust in 2007. With its vision of '**Excellence in Serving to Educate and Educating to Serve**', Aldel Education Trust has ventured into the arena of technical education. This endeavour resulted in the creation of St. John Technical Campus and starting of the twin colleges in academic year 2008-09: St. John Institute of Pharmacy and Research with B. Pharm. and St. John College of Engineering and Management with BE in Computer, IT, EXTC and Civil Engineering. New Institutes and additional programs have been added since then. From the academic year 2010-11, the two-year full-time post-graduate degree of MMS (MBA) is offered at St. John College of Engineering and Management.

St. John College of Humanities and Sciences, affiliated to the University of Mumbai, was established in the academic year 2011-12 with B. Sc. (Hospitality Studies) programs. The B.Sc. (Information Technology.) and B. Com. (Banking & Insurance) programs commenced from academic year 2013-14, while B. Com., B. Com. (Accounting & Finance), BMS and BA started from academic year 2016-17. B.Sc., B. Sc.(CS) and BFM programmes commenced from 2021-22. Engineering Diploma programs in Civil, Mechanical and EXTC, approved by AICTE and affiliated to MSBTE, commenced at St. John College of Engineering and Management from the Academic Year 2012-13.

St. John Institute of Pharmacy and Research commenced the Diploma in Pharmacy affiliated to MSBTE from academic year 2013-14 and the post-graduate M. Pharm. (Pharmaceutical Quality Assurance) affiliated to University of Mumbai from 2018-19. M. Pharm. programmes in Pharmaceutics, Pharmaceutical Chemistry and Pharmacology commenced from 2022-23. All programmes are approved by PCI.

Academic year 2024-25 saw the establishment of the AICTE approved Aldel Institute of Management, offering the PGDM (General) and PGDM (Pharmaceutical Management) and PCI approved Aldel College of Pharmacy and Research, offering the D. Pharm. affiliated to MSBTE and B. Pharm. affiliated to University of Mumbai, marking a significant milestone for Aldel Education Trust. These initiatives reaffirm the Trust's unwavering commitment to excellence in Higher and Technical Education.

**"Serving Humanity through Excellence in Pharmacy Education and Research"**



## MANAGEMENT PROFILE

### Board of Trustees



**MR. ALBERT W. D'SOUZA**  
Chairman



**MRS. ELVINA D'SOUZA**  
Secretary



**MRS. ELAINE C. D'SOUZA BUTHELLO**  
Treasurer



**MR. ALDRIDGE D. D'SOUZA**  
Member



## EXCELLENCE IN SERVING TO EDUCATE AND EDUCATING TO SERVE

Trust Off. : S/2 West View Avenue Co-op. Housing Soc. Ltd., Holy Cross Road,  
I.C. Colony, Borivli (W), Mumbai-400103.

Tel.: 022-28910964

Email: aet.office@aldel.org

Website: www.aldel.in

"Serving Humanity through Excellence in Pharmacy Education and Research"