

PROSPECTUS

138

2023-24



संशोधनेन संवृद्धिः

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(D. B. GHULE)
REGISTRAR



संशोधनेन संवृद्धि:

VASANTDADA SUGAR INSTITUTE

Manjari (Bk.), Tal. Haveli, Dist. Pune - 412 307, Maharashtra, India.

Phone : 020 - 26902100, 26902171, 26902172; Fax : 020 - 26902244, Mob.No. : 9404932500

E-mail : registrar@vsisugar.com Website : www.vsisugar.com

ISO 9001:2015 Certified

ACADEMIC CALENDER : 2023-24

Sr. No.	Particulars	Date
1.	Issue of Prospectus & Application Forms	1 st April 2023 onwards
2	Written Test & Interview at VSI Manjari	2 nd Week - July 2023
3	Commencement of Semester – I	17 th July 2023
4	Final Examination – Semester – I	November-December 2023
5	Inplant Training	December 2023-February 2024
6	Commencement of Semester – II	4 th March 2024
7	Final Examination – Semester – II	June-July 2024

Working Hours : 9:30 am to 5:30 pm

Holidays

- All Sundays
- 2nd and 4th Saturdays of every month
- All holidays as declared by Govt. of Maharashtra

VASANTDADA SUGAR INSTITUTE

Manjari, Pune : 412 307.

1 GENESIS

- 1.1 Vasantdada Sugar Institute (VSI), formerly known as Deccan Sugar Institute, is an autonomous body which is a society registered under the Societies Registration Act, 1860 and under the Bombay Public Trusts Act, 1950. Established in the year 1975 by the sugarcane grower members of co-operative sugar mills in the State of Maharashtra, it is the only organisation of its kind in the world. The Institute performs, under one umbrella, all scientific, technical and educational functions relevant to the sugar mills. The Institute strives for an all round progress of the sugar industry and to achieve this objective, it operates through three main channels viz., Academic, Extension and Research & Development.
- VSI is recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science and Technology, Government of India. In addition VSI is also recognized as research centre for PhD studies by reputed Universities from the State viz. Savitribai Phule Pune University, Mahatma Phule Agriculture University, Rahuri and Shivaji University, Kolhapur
- 1.2 On the recommendations of the Department of Sciences and Technology, the Government of India, Ministry of Finance has recognised this Institute. The Government of India, Ministry of Food and Civil Supplies has also accorded recognition to the training courses conducted by this Institute, as equivalent to Associateship of **National Sugar Institute, Kanpur**.
- 1.3 Laboratories of Sugar Technology, Environmental Science, & Drip Irrigation of the Institute are accredited by "**National Accreditation Board for Testing and Calibration Laboratory (NABL)**", New Delhi.
- 1.4 VSI is empanelled by Maharashtra Pollution Control Board, Mumbai, in the area of Environmental Education.
- 1.5 VSI has been awarded the **ISO 9001:2015 Quality Management System Certificate** on 28th August 2018 by the certification body, M/s. TATA Quality Services, Hyderabad.

2 FUNCTIONS

- 2.1 The Institute is established to fulfil a definite mandate in respect of Research, Training and Development in the sugar industry. The Institute aims at :
- A Carrying out well-planned, need-based, time-bound, result-oriented research.
 - B Imparting training to the staff of sugar mills, related industries and also to key personnel as well as sugarcane cultivators.
 - C Undertaking development activities in sugar mills for improving their techno-economic efficiency.
- 2.2 All-out and concerted efforts are continuously made to achieve these aims. In keeping with the pace of development in the world, the Institute strives hard to meet the new challenges in all the areas of research in the major fields of :
- A Agricultural Sciences and Technology
 - B Sugar Technology
 - C Sugar Engineering
 - D Alcohol Technology and Biofuels
 - E Environmental Sciences
 - F Electronics and Computer
 - G Instrumentation
 - H Education

- 2.3 Under the development activities technical services are provided to member sugar mills. These include E-Advisory, consultancy and extension services, E-Repairs and maintenance of instruments, E-Survey and information services, E-Guidance in modernization / expansion / co-generation distillery and establishing new sugar units, E-Varietal and seasonal planning for better sugarcane production and E-Operational research to test the utility of research findings for adoption.

3 ORGANISATIONAL SET UP

- 3.1 The Institute is managed by a board of Trustees comprising 11 members headed by its President. To supervise and monitor the functioning of the Institute, a Governing Council (GC) comprising 40 members has been formed. Three smaller groups or committees of the GC members assist the GC in its overall functioning.

Director General is the executive head of the organization implementing the decisions of the management and assisted by various divisional heads.

- 3.2 To fulfil the objectives of the Institute, there are different technical divisions which work under the guidance of the Director General. All the research, training and development activities are undertaken in a co-ordinated manner and under one roof. Emphasis is given to interdisciplinary approach.

4 LIBRARY

- 4.1 The Institute's library is an important information centre for the timely fulfillment of the vital information for sugar and allied industry and has one of the world's largest and most accessible scientific and technical information in relation to sugarcane cultivation and processing.

- 4.2 The major resources of the library includes books, journals, reports, standards, patents and proceedings of various national and international seminars. It provides access to a wide range of information resources. The library has total collection of **19,394** books. Important subjects covered by library are Sugarcane Cultivation, Sugar Manufacturing, Sugar Engineering, By-products, Instrumentation, Environmental Sciences and Engineering, Alcohol Technology, Wine Technology, Biotechnology, Management, Electronics and Computers and many more scientific and technical subjects. In addition, library has a rich collection of periodicals on various scientific and technological subjects. Total number of national & international periodicals available online & offline are about **350**.

- 4.3 Library gives services such as reference service, reprography service, inter-library-loan, internet facility etc. Due to the open access system students can use the textbooks, encyclopedia, reference books, periodicals, conference proceedings for their information needs. Access to various online journals are made available.

- 4.4 The CD-ROM databases available in the library provides access to much larger store of information which can be searched efficiently. It also provides list of books, list of various internet web-sites of sugar and allied industries being an affiliated member of foreign and Indian sugar related associations, the collective information from these research institutions is disseminated to library users.

5 COMPUTER CENTRE

The centre is equipped with latest computer infrastructure. It has a Local Area Network (LAN) comprising of a powerful server, 300 nodes and all types of peripherals. The LAN functions on 2019 Server and is also supported by Oracle, Exchange Server etc. The Centre has facility of various software packages and languages. The centre has established a computer laboratory for students and staff members. The computer laboratory is equipped with computers, all types of peripherals and audio visual equipment. The entire LAN and the computer laboratory are provided with internet facility.

6 HOSTEL

- 6.1 The Institute has a well furnished hostel having capacity to accommodate **350** students. Facilities such as mess, recreation hall and sports are available in the hostel. Hostel is compulsory for all students. In addition, the Institute has a well furnished International Students Hostel with all (61) A/C self contained rooms equipped with gymnasium hall, reading & recreation hall.

7 PROGRAMMES

7.1 A: POST GRADUATE DIPLOMA PROGRAMMES :

Sr.No.	Programme	Code	Duration	Seats	Eligibility
1.	Sugar Technology	(ST)	2 1/2 Years	50	BSc (Physics, Chemistry, Mathematics / Statistics, Sugar Tech.) OR BE-Chem. / Agri. Engg. OR BTech-Chem.
2.	Sugar Instrumentation Technology	(SIT)	1 1/2 Years	15	BSc (Physics, Chemistry, Mathematics, Electronics) OR BE-Instru./Ele./Elect. / Agri. Engg.
3.	Industrial Fermentation and Alcohol Technology	(IFAT)	22 months	150	BSc (Chemistry / Wine Tech. / Bio-Tech. / Microbio. / Alco. Tech.) OR BE/BTech. (Chem. Engg. / Biotech.)
4.	Sugar Engineering Diploma	(SED)	1 1/2 Years	15	BE-Mech. / Electl./Prod./Elect.

B : CERTIFICATE PROGRAMMES :

Sr.No.	Programme	Code	Duration	Seats	Eligibility
1.	Sugar Engineering Certificate	(SEC)	1 Year	15	Diploma in Mech./Elect./Prod./ Elect & Electronics with min. 1 year experience in sugar mills
2.	Sugar Manufacturing Certificate	(SMC)	1 Year	35	BSc with Chemistry as one of the subjects / BSc Sugar Tech./BSc in Sugar Science, Dip. in (Sugar Tech./ Sugar Manuf. / Chem. Engg.) from any recognised University / Board and Min. 2 years exp. in sugar mill is essential.
3.	Sugar Boiling Certificate	(SBC)	1/2 Year	60	SSC with min. 2 years experience in sugar mill or HSC pass
4.	Juice Supervision Certificate	(JSC)	1/2 Year	30	SSC with min. 2 years experience in sugar mill
5.	ETP Operation and Maintenance	(ETP OM)	1/2 Year	30	HSC (Science) with 2 years experience in sugar mill

C : MASTERS DEGREE COURSES (affiliated to Savitribai Phule Pune University)

Sr.No.	Programme	Code	Duration	Seats	Eligibility
1.	MSc Environmental Sciences	(ES)	2 Years	24	BSc (Any subject except Maths, Computer Science, Electronics), BE (Civil / Chemical), OR BSc (Agri.).
2.	MSc Wine, Brewing and Alcohol Technology	(WBAT)	2 Years	24	BSc (Wine Tech./PGDIFAT/ Biotech./ Microbio./Chemistry/Agriculture/ Botany/Zoo./Horti./Hotel Mngt./Agri. Boitech.)OR BE/BTech.(Chem. Engg./Biotech.) BTech. (Food)

7.2 SHORT TERM PROGRAMMES : (STP)

Various need-based short term courses of **one to three weeks** duration are also organised during off-season in the aforesaid disciplines for the sugar factory staff, managerial personnel and sugarcane growers at the Institute or at factory site. The courses are :

- Juice Clarification and Evaporation
- Pan Boiling and Centrifugation
- Boiler Attendant
- Mill Foreman
- Pollution Control & Environmental Management in Sugar Mills and Distilleries
- Fermentation and Distillation Techniques in Distillery
- Techniques in Analytical Instrumentation
- Repairs & Maintenance of Sugar Factory Instrumentation

7.3 PROGRAMMES FOR FOREIGN CANDIDATES

The programmes conducted by the Institute have attained International recognition because of high standard of courses and excellence in teaching.

VSI has trained **349** technical personnel from various countries during the regular programme till date. Apart from regular courses, the tailor-made programmes have also been conducted for sugar industry personnel from **Vietnam, Sudan, Sri Lanka, Uganda, Kenya, Nepal, Bhutan, Ethiopia, Nigeria and Fiji.**

8 ADMISSION PROCEDURE

8.1 (a) The prescribed admission form along with the prospectus may be obtained from the office of the Registrar on payment of Rs. 500/- in cash at the cash counter of Accounts Branch, in person.

(b) Admission form can be downloaded from the link, www.vsisugar.com/admissions. and can make online payment to the bank details as given in (c). **Money Order and IPOs will not be accepted.**

(c) You can make online payment of Rs. 500/- by UPI, Internet Banking, Mobile Banking etc. Provision of transaction details along with Admission Form is mandatory and send to e-mail vsiadmissionform@gmail.com; payment can be sent to following bank.

Account holder Name : Vasantdada Sugar Institute	Name of Bank : HDFC Bank
Bank Address : Chourang Building, Manjari Bk.	RTGS/IFSC code : HDFC0001811
Account Number : 50100053396989	MICR Code : 411240036

8.2 Candidates should fill the admission form carefully and completely in **English**. Any deliberate attempt to furnish false information will be in cancellation of admission at any stage.

- 8.3 The candidates should ensure that all the enclosures are clear and legible and are properly attached to the application form.
- 8.4 No additional documents other than those attached to the original admission form will be accepted after the last date prescribed for submission of the admission form.
- 8.5 Copies of certificates, marks lists, etc. attached to the admission form should be self attested.
- 8.6 The candidate, who is sponsored/nominated by the Sugar Factory/Distillery should attach the prescribed Nomination Form duly filled in and signed by the competent authority of respective sugar factory (Chairman/ Managing Director/ General Manager alongwith the seal).
- 8.7 A passport size photograph should be affixed on top of the prescribed application form at the space provided.
- 8.8 **Applications completed in all respects alongwith the nomination form (wherever applicable) and attested copies of certificates should reach the Institutes office on or before 30th June, 2023.**
- 8.9 Applications received late or incomplete will not be considered under any circumstances.
- 8.10 **CANDIDATES WHO HAVE APPEARED FOR DIPLOMA/DEGREE EXAMINATION CAN ALSO APPLY. HOWEVER, ADMISSION IS SUBJECT TO THE PRODUCTION OF DIPLOMA /DEGREE PASSING CERTIFICATE / MARKLISTS.**
- 8.11 Applications of candidates who have passed their degree examination from the Universities recognised by University Grants Commission, New Delhi only will be considered.

9 ENTRANCE TEST AND INTERVIEW

- 9.1 After scrutiny of applications received from the candidates, only eligible candidates will be called for entrance test and interview and will be informed about the same through call letters by post/through website. The list of eligible candidates will also be displayed on the website of VSI.
- 9.2 All the eligible candidates will have to attend entrance test and interview at their own cost. The candidates must bring their call letters, original certificates while coming for entrance test and interview. In case of non-receipt of call letter, candidates can bring a print copy of the list of eligible candidates available on the website of VSI.
- 9.3 The Entrance Test (Written) will be conducted at the Vasantdada Sugar Institute, Pune.
- 9.4 The candidate should attend the Interview at scheduled time which will be held immediately after the Entrance Test (Written).
- 9.5 The list of selected candidates will be displayed on the notice board as well as on Institute's web site. The selected candidates should pay the fees immediately by cash/online banking process to Institute account and submit transaction details to Registrar Office.
- 9.6 The entrance test (written) will be conducted for **Sugar Technology, Industrial Fermentation & Alcohol Technology, M.Sc., Environmental Sciences and Wine Brewing & Alcohol Technology.** For other courses, selection will be based on the performance in personal interview only.

9.7 SYLLABI FOR ENTRANCE TEST FOR VARIOUS PROGRAMMES

- 9.7.1 Sugar Technology
 - Entrance test contains objective type questions consisting of 100 marks.
 - The subjects include General Chemistry (50 marks),
 - Mathematics (30 marks), and General English (20 marks)

- 9.7.2 Industrial Fermentation and Alcohol Technology
 - The syllabus will be as per BSc equivalent.
 - Entrance test contains objective type questions consisting of 100 marks.
 - The subjects include General Chemistry (40 marks), Biological Sciences (40 marks), and General English (20 marks)
 - The syllabus will be as per BSc equivalent.
 - 9.7.3 MSc Environmental Sciences
 - Entrance test contains objective type questions consisting of 100 marks.
 - The subjects include General Chemistry (30 marks), Biological Sciences (30 marks), General English (10 marks) and Environmental Science (30 marks)
 - The syllabus will be as per BSc equivalent.
 - 9.7.4 MSc Wine, Brewing and Alcohol Technology
 - Entrance test contains objective type questions for aggregate 100 marks.
 - The subjects include General Chemistry (40 marks), Biological Sciences (40 marks), General English (20 marks)
 - The syllabus will be as per BSc equivalent.
- 9.8. Model question papers are available at **MODEL QUESTION PAPERS ARE AVAILABLE IN VSI Library** and may be obtained by sending request mail to librarian@vsisugar.com

10 DETAILS OF TUTION & HOSTEL FEES

A) Details of Tution Fees

- (1) Fees for A) Sugar Technology B) Sugar Instrumentation Technology
C) Sugar Engineering Diploma

Sr. No.	Particulars	Students from Maharashtra	Students from outside Maharashtra
1.	Tuition Fees (per year)	36,000=00	52,800=00
2.	Caution Money Deposit	1,000=00	1,000=00
Total Fees		37,000=00	53,800=00

(2) Fees for Industrial Fermentation & Alcohol Technology

Sr. No.	Particulars	Students from Maharashtra	Students from outside Maharashtra
1.	Tuition Fees (per year)	60,000=00	90,000=00
2.	Caution Money Deposit	1,000=00	1,000=00
Total Fees		61,000=00	91,000=00

- (3) Fees for A) MSc Environmental Sciences B) MSc Wine, Brewing and Alcohol Technology will be as per the fees of Savitribai Phule Pune University
 (4) Fees for A) Juice Supervision Certificate B) Sugar Manufacturing Certificate
 C) Sugar Engineering Certificate D) ETP Operation and Maintenance

Sr. No.	Particulars	Students from Maharashtra	Students from outside Maharashtra
1.	Tuition Fees (per sem.)	18,000=00	26,400=00
2.	Caution Money Deposit	1,000=00	1,000=00
	Total Fees	19,000=00	27,400=00

(5) Fees for Sugar Boiling Certificate

Sr. No.	Particulars	Students from Maharashtra	Students from outside Maharashtra
1.	Tuition Fees (per sem.)	30,000=00	42,000=00
2.	Caution Money Deposit	1,000=00	1,000=00
	Total Fees	31,000=00	43,000=00

B) Hostel Fees

1.	Hostel Fees (per year)	14,000=00
2.	Hostel Mess Deposit	2,000=00
	Total Fees	16,000=00
1.	International Hostel Fees (per year)	60,000=00
2.	International Hostel Mess Deposit	5,000=00
	Total Fees	65,000=00

- Note** (1) Caution money deposit and Hostel mess deposit are to be paid at one time only. Deposit amount will be refunded after completion of final examination subject to submission of original fees/deposit receipts (If payment is online, provide transaction details).
 (2) All Tuition fees shall be payable every year at the time of admission only.

11 ACADEMIC REGULATIONS AND DISCIPLINE RULES

11.1 Attendance

A student is required to put in a minimum statutory attendance during each semester in each subject. Non-compliance of this rule will render him liable to be debarred from promotion to the next semester or from appearing at final examination.

11.2 Leave

Leave cannot be availed of unless recommended by the Head of the Department of respective discipline. No student is allowed to leave the premises of the Institute without permission of the Director General / Registrar.

11.3 Application for sick leave must be accompanied by a certificate from the Medical Officer of the Hostel or Assistant Surgeon or Registered Medical Practitioner.

11.4 All students shall abide by any changes or modifications in Academic Regulations made from time to time by the Institute whenever so required.

11.5 The Office of the Registrar will notify rules (in case modified/amended) regarding all academic matters. Disciplinary action will be taken against students found indulging in misconduct/misbehaviour on campus and using unfair means at any examination etc.

11.6 The candidate shall behave in a disciplined manner inside the Institute, hostels, on educational tour or during inplant training and follow all the instructions issued by the Director General/ Registrar from time to time. Any violation of these instructions shall result in instant expulsion of

- student from the Institute without any prior notice.
- 11.7 After the admission of the candidate he/she shall be under disciplinary jurisdiction of the Director General/Registrar and shall observe these rules. Failure to comply with these rules will make the candidate liable for disciplinary action as per prevailing rules.
 - 11.8 If candidate who is offered admission does not pay the prescribed fees within the date specified or extended, the offer will be treated as cancelled.
 - 11.9 The admission offered to candidate shall be cancelled later at any time if it is found that the candidate is not eligible for admission.
 - 11.10 Even if a candidate has paid fees but fails to join the Institute within a fortnight of the date of payment of fees or remains absent without intimation or prior permission of the Director General/Registrar, his/her admission shall be treated as cancelled.
 - 11.11 If any information supplied by the candidate in connection with his/her admission is at any time later found to be incorrect, the student shall be liable to be removed from the Institute.
 - 11.12 A candidate has to complete the course within a maximum period of 3 years for (SED, SIT, IFAT, JSC, SBC, SEC, SMC, ETP), 4 years for (ST) and for (ES) and (WBAT) the rules of Savitribai Phule Pune University, Pune apply. No further extension will be given for completion of course under any circumstances.
 - 11.13 If a candidate applies for cancellation of admission within 10 days after payment of fees, the fees paid by the candidate shall be refunded by deducting 10 % of the amount towards administrative charges. If the application is received after 10 days, only the deposit amount will be refunded.

12 HOSTEL RULES & REGULATIONS

- 12.1 The Hostel admission is compulsory for all students. Allotment of rooms to the VSI students will be done by the Hostel Authority after producing cash receipt of the hostel fees paid. Three students are kept in "D" wing Room & two students are kept in "S" wing Room. Allotment done at the commencement of the academic semester will ordinarily remain unchanged throughout the semester, but changes made by the Hostel Authority during the course of the semester are to be accepted by the student. No student should change his room without prior permission of the Hostel Authority.
- 12.2 At the time of hostel admission the student / parent / guardian will give an undertaking to the hostel authorities that the student will observe the rules and regulations governing the hostel. Action taken for the misconduct of any student will have to be accepted by the parents.
- 12.3 The students requesting permission to go out of the Hostel for what so ever reasons will do so at their own risk and Hostel Authorities will not be responsible for any mishappenings at the time the student is outside the hostel. Submission of Out Station Form is compulsory while leaving hostel.
- 12.4 Smoking , alcoholic drinks , gutkha & tobacco chewing / spitting are strictly prohibited in the hostel premises and Institute campus.
- 12.5 Use of any equipment which consumes electricity is not allowed.
- 12.6 Student shall take particular care to switch off the light/fan when not inside the room. On failure he will be subjected to appropriate disciplinary action.
- 12.7 Student shall take care not to damage or disfigure the hostel equipments and buildings. Student shall not disfigure walls by nails, drawing pens writings, chalk writings, pasting of pictures etc.
- 12.8 Any loss / damage to the hostel properties by the student will be recovered from the student.
- 12.9 Student shall behave in such a fashion that the atmosphere in the hostel remains calm and conducive to the studies and leading to a cultural, moral and academic development. Students, who are found to cause nuisance and if the same is established on enquiry, will be dismissed by the Hostel Authority.

- 12.10 Student shall take care to keep room and hostel premises neat and clean.
- 12.11 The main-gate of the hostel will remain closed from 10.00 p.m. to 6.00 a.m.daily. Student will be in his hostel room before 10-00 p.m.
- 12.12 Guests and visitors shall visit hostel during 9.00 a.m. to 7.00 p.m.. Student shall take care that guests/visitors must leave the premises before 7.00 p.m. Student shall not allow on any occasion to have a guest in room to stay for the night. No lady visitor shall be allowed in the boys' hostel.
- 12.13 Student shall not enter in to others room without permission of the other Inmates. The hours of the night after 8 p.m. to 10 p.m. are strictly intended for studies and rest.
- 12.14 Student is expected not to leave any money or valuable lying open in rooms. Hostel authorities do not take responsibility for any loss of goods/money.
- 12.15 Student shall take care that no meetings, seminars, functions, celebrations or gatherings are organized in the hostel premises without prior permission of the Hostel Authorities.
- 12.16 Student shall not undertake repairs of damages etc. to rooms fixtures/furniture. If needed any repair student will report it to the Hostel Authority immediately who will then arrange to get it repaired.
- 12.17 Moving the hostel property (bed, chair, table) from the room is not allowed.
- 12.18 All matters relating to differences amongst students, the nuisance / inconvenience caused by student / students or conduct and any complaints shall be informed to the Hostel Authority.
- 12.19 The Institute shall have full powers to expel any student from the hostel if he is found undesirable for any reason to be a resident in the hostel.
- 12.20 Student suffering from bodily disorders, injury or sickness should immediately report the matter to the Hostel Authority and seek medical help from the dispensary.
- 12.21 Disciplinary action will be taken against the student for will full disobedience or defiance of authorities in any observation of the hostel rules causing damage to any person or anti-national activities. This action may be a fine, expulsion and/or forfeiture of the degree/diploma/certificate to be awarded to the students according to the nature of the offences.
- 12.22 Ragging is totally prohibited. Student who indulges in ragging, a disciplinary action will be taken against him i.e. suspension, expulsion from the course.
- 12.23 Incase there is complaint of ragging the offender will be prosecuted under the law over and above the action taken by the Institute.
- 12.24 Students shall vacate the room after completing the final examination of the semester immediately.
- 12.25 Hostel fee is not refundable to the students expelled from the hostel on disciplinary grounds.
However, matters which are not covered by rules the decision on these will rest at the absolute discretion of the Institute's Authorities.

13 PATTERN OF EXAMINATION AND COURSE CONTENT

- 13.1 The final examinations are conducted at the end of each semester i.e. November and June. Periodic class tests are also conducted during the ongoing term. Performance of the students is assessed by the marks obtained during final examination and also during the class tests.
- 13.2 It is necessary to pass in each subject separately in theory and practicals. The minimum passing marks in theory and practicals are 50 percent. The students will be declared to have passed the examination according to the following pattern :
 Class - I - 75% and above Class - II - 60% & below 75% Class - pass - 50% and below 60%