

SERVICES



HRD AND LIBRARY SERVICES

HUMAN RESOURCE DEVELOPMENT (HRD)

The sugar and allied industry need qualified and expert manpower for effective functioning of the industries, reducing the cost of production, improving the quality of product, minimizing losses and efficient utilization of the by-products. VSI is the premier institute in the country, which caters the educational and training needs of sugar and allied industries.

The Institute offers various training courses aimed at improving the academic qualifications and technical proficiency of personnel employed by the sugar and allied units and helps these industries in improving their overall efficiency. The Institute enrolls students from within the country as well as from other countries for its various training courses. The Institute conducts regular as well as short-term courses throughout the year.

Regular Courses

The Institute has earned a good reputation in sugar and allied industries because of persistent high standard of teaching maintained over the years. Many countries in Asia and Africa send their students to training courses organized by VSI. This has given an international status to this Institute. The following Table (Table 3) lists regular courses offered by the Institute, duration of each course and number of students

enrolled for these courses during the period under report.

Affiliation with University of Pune

The Institute is affiliated with the University of Pune for conducting M.Sc (Environmental Sciences) course from 2008. The Institute already has recognition as a research centre for studies leading to Ph.D in Environmental Sciences.

Short Term / National Training Programmes

VSI also offers many short-term courses to fulfill the specific needs of sugar and allied industry. During the period under report more than 1000 persons including sugar factory and distillery personnel, officers from Government departments, Agricultural Universities and farmers participated in these courses. A list of these courses is given in Table 4.

Summer Training to Students

The excellent infrastructure and laboratory facilities at VSI are well known and students from various institutes and colleges apply for summer training or project work to the different departments of the Institute. A total of 118 students were trained at the Institute for varying durations of two to six months. The University wise breakup of students is given in Table 5.

Table 3 : Students enrolled in different courses at VSI

Course Title	Duration in Years	Number of Students			
		Maharashtra	Other States	Foreign	Total
Sugar Technology	2 ½	03	56	03	62
Industrial Fermentation & Alcohol Technology	1 ½	32	26	00	58
Sugar Engineering Diploma	1 ½	01	03	04	08
Sugar Instrumentation Technology	1 ½	00	12	05	17
Environmental Sciences	2	17	03	00	20
Sugar Engineering Certificate	2 off season semesters	06	04	00	10
Sugar Manufacturing Certificate	1	33	05	00	38
Sugar Boiling Certificate	½	33	67	00	100
Juice Supervision	½	11	07	00	18
Total		136	183	012	331



Table 4 : Short term training programmes conducted

Date	Topic	No. of Participants	Details of Participants
9 - 13 Jun. 08	Juice Clarification and Evaporation	65	Juice supervisors from sugar factories
9 - 13 Jun. 08	Pan Boiling and Centrifugation	88	Pan attendants and Centrifugal mate
9 - 13 Jun. 08	Boiler Attendant	32	Bioler attendants from sugar factories
9 - 13 Jun. 08	Mill Foreman	36	Mill Foreman from sugar factories
9 - 13 Jun. 08	Fermentation and Distillation Techniques in Distillery	18	Fermentation and Distillation operators in Distillery
9 - 13 Jun. 08	Techniques in Analytical Instrumentation	20	Lab. chemists and manufacturing chemists from sugar factories
9 - 20 Jun. 08	Repairs and Maintenance of Sugar Factory Instruments	42	Instrument mechanics, electricians from sugar factories
23 Jun. - 4 Jul. 08	Production and Quality Control of Biofertilizers	7	Staff from biofertilizer units of sugar factories in Maharashtra.
1 - 9 Jul. 08	ICUMSA Training Programmes	10	Chemists from sugar factories
14 - 19 Jul. 08	Quality Control in Biofertilizers	12	Agriculture Officers from quality control laboratories of Government of Maharashtra
26 - 28 Sep. 08	Planning of Cane Development Programmes in Sugar Factories of Maharashtra	70	Agricultural Officers and Cane Development Officers
13 - 16 Nov. 08	Oos Sheti Dnyanlaxmi	111	Women farmers from regional areas of sugar factories in Maharashtra
2 - 13 Dec. 08	Oos Sheti Dnyanyag	440	Farmers from regional areas of sugar factories in Maharashtra
17 - 19 Mar. 09	Mechanization in Agriculture	20	Agriculture Universities & Agriculture Department of MS
17 - 19 Mar. 09	Soil Fertility Management	17	-----do-----
24 - 26 Mar. 09	Ratoon Management in Sugarcane	23	-----do-----
24 - 26 Mar. 09	Integrated Pest and Disease Management	18	-----do-----



Table 5 : University wise breakup of students.

Name of University	Number of Students
University of Mumbai	5
University of Solapur	8
University of Pune	52
MPKV, Rahuri	20
BAMU, Aurangabad	11
University of Nagpur	3
Shivaji University, Kolhapur	18
Rajasthan Vidyapeeth	1
Total	118

Special Courses for Foreign Students

VSI conducts tailor made courses of varying duration suitable for sugar industry personnel from foreign countries. The demand for such courses is increasing. Sugar factories from Kenya, Tanzania, Sudan and Vietnam have sent their technologists and engineers for such courses. This gives the Institute an opportunity to establish a good rapport with the sugar industry abroad. During the period under report, the Institute trained three sugar technologists and four sugarcane agriculturists from Sugar Corporation Ltd., Uganda in a one-month customized programme.

Placements

The placement cell of the Institute constantly interacts with industries for finding suitable placements for the students of various courses. The list of the eligible students was sent to various industries. 100% placement was achieved for the students of Sugar Technology and Alcohol Technology courses. The following industries selected students from the Institute.

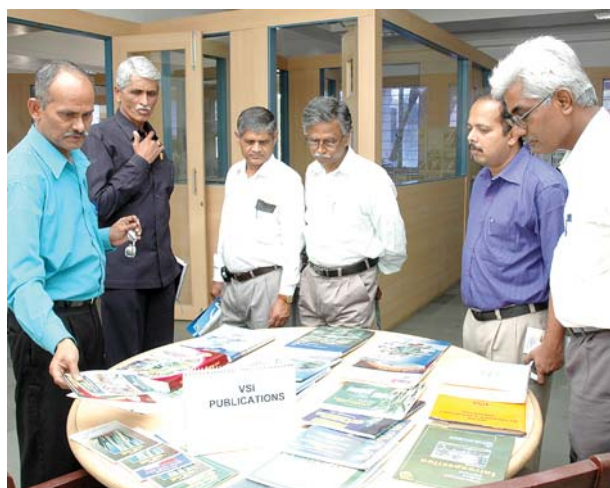
- Dwarikesh Sugar, UP
- Ganesh Khand Udyog, Gujarat
- Ugar Sugar, Karnataka
- Renuka Sugars, Karnataka
- Ravalgaon Sugar Farm, Maharashtra
- Natural Sugar, Maharashtra
- Modi Sugar, Gujarat
- VRL Automation, Karnataka
- KBK Engineering, Maharashtra
- South Seas Distillery, Maharashtra
- Pioneer Distillery, Maharashtra
- Y.M. Krishna SSK Ltd., Maharashtra
- Kopargaon SSK Ltd., Maharashtra
- Vintage Winery, Maharashtra
- Maharashtra Pollution Control Board
- Rise and Shine Biotech, Maharashtra
- Mahindra and Mahindra, Maharashtra

LIBRARY

The VSI library is regarded nationally and internationally as a resource of information for sugar and allied industry. Its role is to gather, maintain and make information on sugar and related areas like sugarcane agriculture, sugar technology and processing with latest techniques and equipments, cogeneration, biofuels, environmental sciences, fermentation and alcohol technology, sugar policy and trade etc accessible to scientists, students and research workers. The library also provides customized information services like providing references, bibliographies, selective dissemination information, awareness services, press cuttings, databases and internet facilities.

As a part of updating the library, collection of documents and acquisitions of books were carried out. During the period under report, 88 books and 96 bound volumes were added to the library bringing the total collection to 17381. In addition, the library subscribed 124 national and international journals, which were used by students and research workers to update their knowledge and keep abreast with new developments in the various subjects of industry. The library also renewed the membership of important national and international associations related to sugar and allied industries. It also provided resource sharing and document delivery service with the major local libraries such as National Chemical Laboratory, British Library, Agharkar Research Institute.

The scientists and technologists of other organizations in and around Pune also referred the library. During the year under report, 27 users enrolled themselves as Corporate/Individual members of this library.



Recognition Committee of Shivaji University, Kolhapur in the VSI Library