



VPSC

VIPER PHARMA SKILLS CENTER



*Aspirations
to Achievements*

Life Sciences Sector Skill Development Council (LSSSDC) is an autonomous and a Not-for-Profit Organization, promoted by the Confederation of Indian Industry (CII) and leading Life Sciences Industry Members across India (like, IPA, BDMA, IDMA, ACRO, ABLE, etc), with financial support by National Skill Development Corporation (NSDC).

LSSSDC has identified VIPER as Vocational Training Partner

VIPER PHARMA SKILLS CENTER (VPSC) has been inaugurated by

VPSC has been accredited by LSSSDC

It has been observed that there is a huge gap between institutes and industries. The fresh pharma graduates are not been able to meet the requirements of industries. They need to be given thorough training before they are put in to the actual job.

The VPSC has been set up to address this gap

The vision of the centre is to develop industrial skills, in the manufacturing, quality control, quality assurance areas, amongst fresh pharmacy graduates, who will be readily appointed by the pharmaceutical industries.

Qualifications pack - occupational standards for Pharma industry

National Occupational Standards (NOS) specify the standard of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Essentially NOS are benchmarks of good practice.

Occupational Standards (OS) describe what individuals need to do, know and understand in order to carry out a particular job role or function

A set of NOS, aligned to a job role, called Qualification Pack, would be available for every job role in Pharma Industry

Qualification Packs taken up by VPSC

- Qualifications Pack - Quality Control Chemist
- Qualifications Pack - Production Chemist
- Qualifications Pack - Quality Assurance Chemist
- Qualifications Pack – Production operator

All the above QPS have been validated by reputed pharmaceutical industries

Design of training programs

The duration of course is 10 weeks and includes series of classrooms sessions, practical work and hands on exposure on machines and instruments for 15 days.

The training programmes are designed in such way those different levels of employees (whether **Science** graduates or **Pharmacy** graduates or Junior college graduates) will get training in their respective skills.

Basic knowledge

The trainees will be taught in all basic pharmacy subjects as per the qualification pack

For qualification pack – Quality control- Pharmacopeia's history and monograph analysis, Qualitative and quantitative methods of analysis of raw materials and finished formulations, Instrumental methods of analysis ,advanced methods of analysis ,microbiological analysis, biological methods of analysis, industrial quality control of raw materials and packing materials, testing methods for Good Laboratory practices ,analytical method development and validation

For Quality pack-Production chemist-Manufacturing techniques for production of tablets, capsules, liquid orals, parenteral, dry powders ,ointments and creams, different machines used for manufacturing their design, working principles, advanced manufacturing techniques, packaging machinery, packing technology, (Primary and Secondary packing)

Current Good Manufacturing practices, quality assurance, documentation and record keeping, Environmental control in manufacturing and packing areas

For Qualification pack-Quality assurance- GMP,GLP, Good Warehouse Practices, Good documentation practices, Quality audits ,Market complaints handling, Good laboratory practices, Sanitation, Process and cleaning validation ,Equipment qualification, AHU validation, Environmental monitoring and evaluation, aseptic areas control, water system validation ,in process quality control of all dosage forms, New schedule M requirements, International drug regulations (WHO,ICH,USFDA,ISO quality systems)

For qualification pack –Production operator- Production machinery design and working principles ,automation, manufacturing techniques ,coating techniques Machine operating and cleaning procedures , equipment qualification, Manufacturing and packing record ,primary and

secondary packing machine design and working principles, advanced machinery

Evaluation

Evaluation of the candidates on daily basis after completion of each topic will be carried out ,Marks will be allotted and intimated to the trainees and counseling for improvement will also be undertaken by faculty

Hands on exposure to machines and instruments

Several reputed organizations like Dr.Reddy's Laboratory, Biological E Ltd, Granules India Ltd, Aurobindo Pharma Ltd have pledged their support to these training programs by

- a. providing training on state of the art machines and instruments in their organizations
- b. giving assurance to recruit the trained personnel from VPSC

Who can undergo training programs

1. Pharmacy graduates,
2. Science graduates
3. Intermediate graduates.

Benefits

Certificates will be given after the successful completion of training to all candidate

As the trainees are equipped with basic knowledge about the pharmacy as well as industrial subjects they will be readily employable by the pharmaceutical industries

Our Experience and Expertise

Eminent personalities and experts from Pharmaceutical industries were employed for this purpose.

VIPER has been imparting training to different levels of employees of Pharma industries like Dr.Reddy's Laboratory Ltd and Aizant Pharma Research Solutions in Pharmacy and Engineering subjects for the last three years.

About 12 batches of SMT (Self-Management Team) of Dr.Reddy Laboratory Ltd

numbering 500 have undergone the training programme which lasts for 45 days

The SMTs which have undergone training are benefitted by this training programme as some of the trainees have even reached managerial levels in the organisation after working for two three years

Our Strengths:



VPSC has got a very good infrastructure laboratory facilities installed miniature manufacturing and testing equipment which can facilitate on job training

- Rich technical expertise
- A strong base of technology disciplines
- Highly qualified staff members
- A core competence in transferring technologies to business.
- Employees who enjoy the richness of a broad, technical environment. With strong technical support, VIPER is able to identify process/quality improvement opportunities, and recommend suitable solutions to the problems at hand.
- Knowledge, experience, and commitment of our team ensure that we provide value-added results and solutions to our clients

Laboratory Facilities



1. Novel drug delivery system laboratory
2. Herbal formulation division
3. Finished Pharmaceutical evaluation laboratory
4. Microbiological screening laboratory
5. Instrumentation laboratory
6. Analytical and bioanalytical laboratory
7. Preclinical Evaluation laboratory
8. Animal room facility
9. Pharmaceutical chemistry laboratory
10. Machine room
11. Computer laboratory
12. Life sciences research laboratory
13. Synthetic chemistry laboratory

Instrumentation facility

List of Equipment /Instruments

S. No	Equipment Name
1	UV-Vis Spectrophotometer3600
2.	Flourometer (Spectro)
3	HPLC
4	Dissolution Apparatus DS 8000 (6+2)
5	Disintegration ApparatusDT 1000
6	Double drum Friablator FT1020
7	Rota Evaporator
8.	Analytical Balance,1mg
9.	Micro Balance, 0.01mg
10	Balance 10mg-3000g
11	Flame Photometer
12	Digital Photo Flurometer
13	Refrigerator Make (with stand and transport)
14	Water bath with thermostat control 12 holes
15	Hot Air Oven thermostat
16	Magnetic Stirrer with hot plate
17	Shaft stirrer Digital
18	Melting point electrical apparatus
19	Heating mantles 500ml
20	Hot Plate Rectangle
21	Water purifying system 5 L for hour
22	Digital Colorimeter
23	Digital pH meter
24	Digital Conductivity meter
25	UPS (7KV-A)
26	Cyclomixer
27	Centrifuge
28	Bacteriological Incubator
29	Printers
30	Scanners/ photocopier
31	In-line particulars filters 1/8
32	Gas cylinder mounting bracket with channel 8 Nos.
33	Vaccum pump for HPLC mobile phase flittering with oil free
34	Solvent filtration kit all glass (Borosil)

35	Membrane filters 47 MM dia 0.45 Micron
36	Membrane filters 13 MM dia 0.22 Micron
37	Lever lock syringe 5 MI
38	Sample filtration holder
39	Ultrasonic bath 1.5 liter with digital timer & heater
40	Ultra sonicator
41	10 stn rotary compression machine
42	Humidity chamber
43	Laminar work flow station