
A brighter beginning
Intensive, application-driven, hands-on training for new pharmaceutical professionals

Bridging gaps, inspiring change

“USP envisions a world in which all have access to high quality, safe, and beneficial medicines and foods. A key step toward achieving this vision is to build world-class capability in pharmaceutical manufacturing.

Our newest training initiative in Hyderabad leverages our strong foundation in delivering education and is a milestone in our broader systems strengthening portfolio.

I am proud to announce the launch of our USP Education Hyderabad Training Institute and look forward to scaling the program globally. All of us at USP are very excited about this initiative and the promising path that lies ahead.”

- Dr. Ronald T. Piervincenzi
CEO, USP

Creating a culture of quality

Building a quality conscious mindset, where working within the framework of protocol and with utmost integrity becomes second nature

Program benefits

Improve quality of medicines

To support the industry in building capabilities to achieve world-class quality and excellence in manufacturing.

Address the skills gap

To address gaps between industry needs and new graduate skills, with a high quality, application-oriented curriculum, built along compendial and regulatory guidelines.

Reduce downtime

To ensure new pharmaceutical professionals are industry-ready, by providing them with rigorous and end-to-end hands-on training.

Eliminate errors

To help eliminate analyst errors, by illustrating the possibilities of error through multiple case scenarios and hands-on training on real samples.

Program features

Top-notch faculty

The teaching staff comprises highly experienced and respected members from industry and academia.

Hands-on training

Our approach comprises reading and understanding Standard Operating Procedures (SOPs), implementing safety precautions, rigorous application, and performing methods and techniques.

Focus on best practices

The course emphasizes the application of global best practices, with a view to develop confident, quality conscious, and efficient talent.

Sophisticated learning interface

The program utilizes technology to enhance student engagement and retention of course material.

> “Students will have access to world-class faculty, state-of-the-art facilities and instrumentation, with content developed by USP scientists.”
>
> - Dr. Salah D. Kivlighn
> Senior Vice President,
> Strategic Marketing & Program Operations, USP

Comprehensive courses

To develop confident professionals with knowledge of pharmacopeia and regulatory guidelines, awareness of global standards, and the ability to apply theoretical foundations to modern lab techniques

Quality control

Launch: July 2018; **Class intake:** 50;

Duration: 4 weeks of theory, 4 weeks of hands-on training;

Theory modules: General orientation, Quality control;

Practical modules: Hands-on practice, case-based studies, and manufacturing site visit.

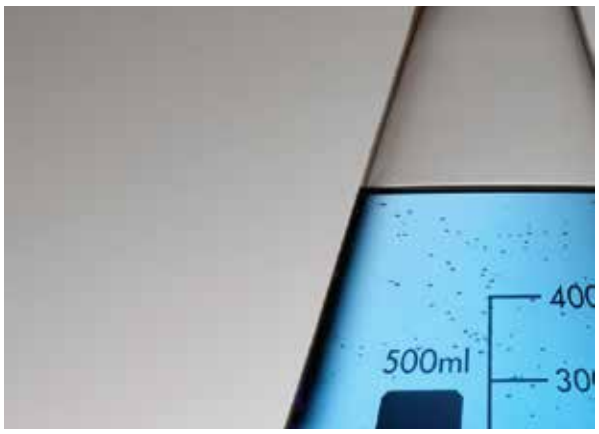
Quality assurance

Launch: November 2018; **Class intake:** 50;

Duration: 4 weeks of theory, 2 weeks of practical exercises;

Theory modules: General orientation, Quality assurance;

Practical modules: Practical exercises, case-based studies, and manufacturing site visit.



Research & development

Launch: Early 2019; **Class intake:** 50;

Duration: 3 weeks of theory, 4 weeks of hands-on training;

Theory modules: General orientation, R&D;

Practical modules: Hands-on practice, case-based studies, and manufacturing site visit.

Hands-on approach

A comprehensive approach to training, covering each method and technique through theory, lab demonstrations, and experiments

Learning interface

15%

Pre-class learning through a mobile interface with interactive exercises, definitions, and abbreviations.

60%

In-class learning through technical content, lab demonstrations, discussions, and practice.

25%

Post-class learning through session summaries, videos, and post-assessment exercises.

Course components

USP-NF general notices, general chapters, monographs, covering methods, acceptance criteria, and setting of specifications.

Rigorous practice, covering test protocols, planning of experiments, practical applications, the interpretation of results and preparation of Certificate of Analysis (COA).

Reading and understanding SOPs, covering lab environment, best practices and safety, quality system requirements, and sample registration.

Do's and Don'ts, such as handling and safety precautions and sensitivity and limitations of the method.

A new frontier

USP has been involved in phamacopeial education for much of its 200-year history. The new courses are a step into the wider area of technical education.

The sharing of our scientific expertise with those who will shape the pharmaceutical industry for decades to come will go a long way toward achieving our vision of ensuring the quality, safety, and benefit of medicines and foods.

> "The courses have been designed to bridge the knowledge gap and promote a transparent culture. We are confident that they will bring meaningful change to our industry."
>
> - Dr. K. V. Surendra Nath
> Senior Vice President,
> Global Sites, USP

Faculty that ignites passion

The participants will be trained by top faculty who are renowned experts in their technical domains and bring a unique mix of consulting, teaching and industry experience

Key faculty members

Mr. Vijay Kshirsagar
Mr. Vijay Kshirsagar is a renowned expert in Quality and Regulatory matters, with over 39 years' experience. An accomplished trainer in various areas, he has provided consultation to, and audited, over 100 companies globally.

Dr. Srinivas Patnala
Dr. Patnala has over 20 years' experience and is an expert in pharmaceutical analysis. He brings a unique combination of industry experience and academic research to the program. He has published in various peer-reviewed journals.

Dr. Raghunandan H. V.
Pharmacist with over 23 years of experience in Quality assurance, Quality control, Regulatory affairs, manufacturing Formulations/APIs/Biologicals, Contract manufacturing, Technical consultation, Research and Education.

Snapshot of guest faculty

The program will also include guest lectures from senior science staff of USP-USA and USP-India and experts with industry and regulatory backgrounds, including:

Dr. Bruk Almayehu, Vice President, Global Standards Management & Operations, USP-USA

Dr. Horacio Pappa, Director, General Chapters, USP-USA

Dr. Mrunal Jaywant, Senior Director, R&D, USP-India

Dr. Radhakrishna Thirumalai, Principal Scientific Liaison, USP-USA

Dr. Satheesh K. Shetty, Senior Director, Reference Standards, USP-India

Dr. Ranjan Chakrabarti, Head of Global Biologics Lab and Standards, USP-India

Dr. Sharad Mankumare, Director of RSL and Verification Programs, USP-India

Dr. Ravi Reddy, Senior Director, Reference Standards Evaluation (RSE), USP-USA

Dr. P. Radhakrishanand, Director of Compendial Development Laboratory, USP-India

About the course

Timings
Classes will be held Monday to Friday.

Venue
The USP Hyderabad Training Institute is located within the campus of G. Pulla Reddy College of Pharmacy, Mehdipatnam, Hyderabad.

For more information
Interested organizations may write to USPHydTI@usp.org for further information or call +91-7893201484.

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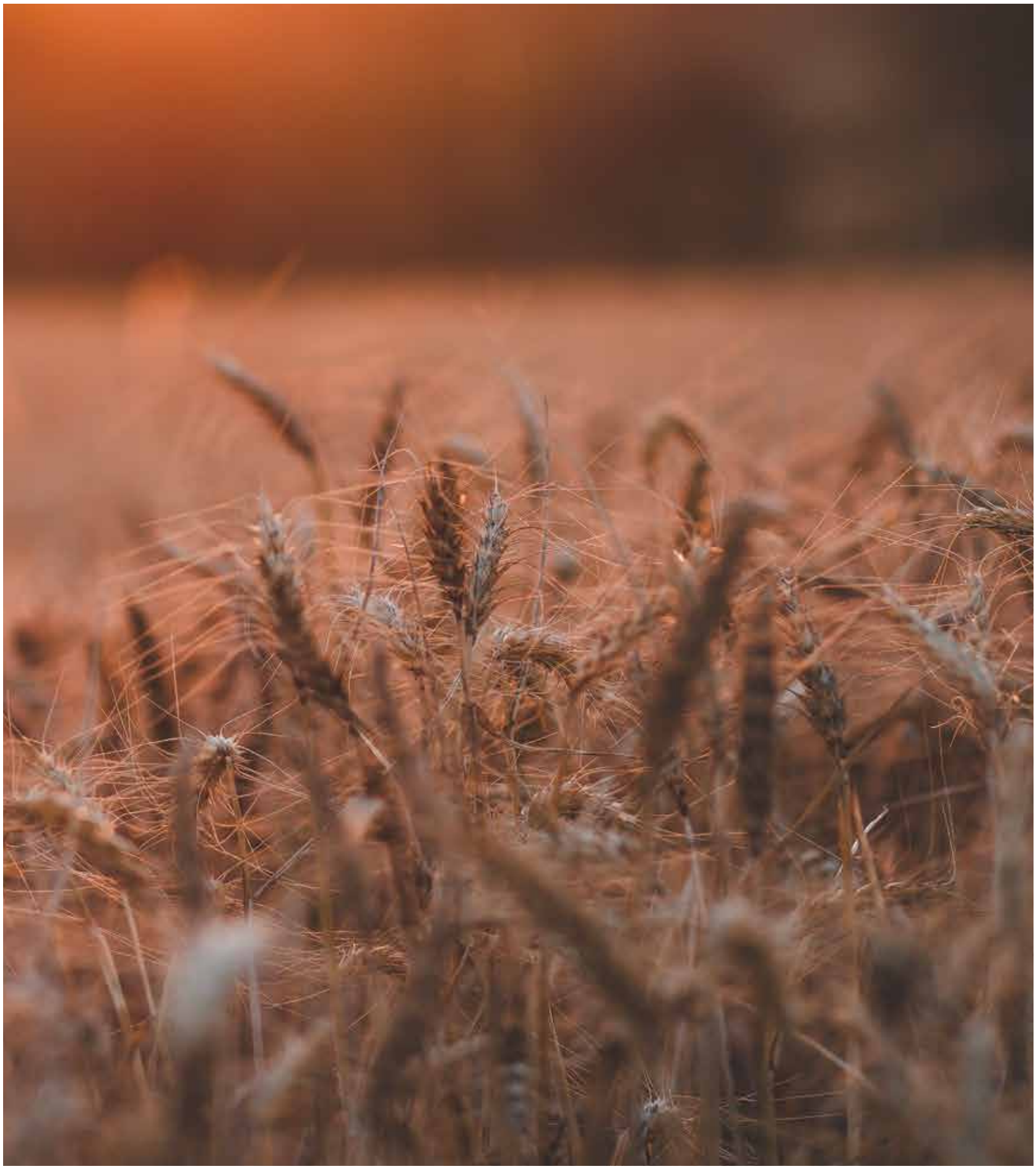
have attended in class and online trainings
since 2000 on the effective application of USP standards

USP Education



Hyderabad Training Institute