SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (Co-Ed.)
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UGC AUTONOMOUS INSTITUTION
Affiliated to Osmania University,
Approved by Pharmacy Council of India, New Delhi, QCI –'A' Grade NBA
Accredited B. Pharmacy (ISO 21001: 2018), NAAC- A+

REPORT ON VISIT TO ANALYTICA INDIA EXPO 2026

Dates of Visit: 12th &13th September 2026

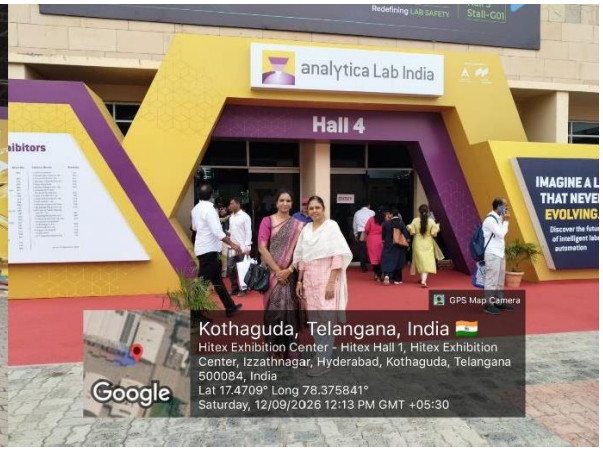
Purpose of Visit: Exploration and identification of analytical instruments and laboratory equipment for strengthening the Research & Development (R&D) facilities of **Sarojini Naidu Vanita Pharmacy Maha Vidyalaya (Co-Ed.), Hyderabad.**

Faculty Members who visited the Expo:

- Dr. T. Mamatha, Dean – Evaluation
- Dr. T. Vani, Associate Professor, Dept of Pharmaceutical Chemistry.
- Dr. B. Chandra Shekhar Reddy, Head, Department of Pharmaceutics,
- Dr. P. Vivek Sagar, Head, Department of Pharmaceutical Chemistry,
- Dr. P. Ravi Kumar, Head, Department of Pharmacognosy.

1. **Purpose of the Visit**
   - Dr. T. Mamatha, Dean – Evaluation and Dr. T. Vani, Associate Professor, Dr. B. Chandra Shekhar Reddy, Head, Department of Pharmaceutics, Dr. P. Vivek Sagar, Head, Department of Pharmaceutical Chemistry, Dr. P. Ravi Kumar, Head, Department of Pharmacognosy. **Sarojini Naidu Vanita Pharmacy Maha Vidyalaya (Co-Ed.), Hyderabad**, visited **Analytica India Expo 2026**, on **12th & 13th September 2026**, with the primary objective of exploring the latest analytical instruments, laboratory equipment and emerging technologies relevant to the academic, research and R&D requirements of the institution. It provided an opportunity to assess the latest analytical instruments, laboratory technologies and equipment available from leading manufacturers and suppliers.

The visit was also intended to assess the existing SNVPMV laboratory infrastructure against current industry technologies and to establish interactions with manufacturers, authorised distributors, vendors and suppliers for **future equipment upgradation, replacement, maintenance and advanced R&D requirements**.



2. **Key finding and Objectives:**

A significant observation during the visit was that approximately 90% of the analytical and laboratory equipment relevant to the existing B.Pharm academic requirements and routine research activities are already available at SNVPMV. This reflects the institution's well-

established laboratory infrastructure and its ability to support the academic requirements of the Pharmacy programmes.

The major objectives of the visit were:

- Benchmarking the existing SNVPMV laboratory infrastructure against the latest technologies available in the market.
- Exploring new-generation instruments and upgraded versions of existing equipment.
- Interacting with manufacturers, vendors and suppliers regarding advanced technologies and product capabilities.
- Establishing contacts for future procurement, replacement, calibration, maintenance and technical support.
- Exploring possibilities for equipment demonstrations, faculty/student training and application-specific workshops.
- Identifying advanced technologies that may be considered for future strengthening of the institutional R&D and analytical testing facilities.
- Exploring opportunities for industry-academic collaboration with equipment manufacturers and laboratory technology providers.

3. Visit and Interaction with Exhibitors

During the visit, various stalls and technology displays relating to analytical instrumentation, laboratory equipment and scientific research facilities were explored. Discussions were held with representatives of equipment manufacturers and suppliers to understand the applications and suitability of their products for pharmaceutical R&D.

Particular attention was given to instruments that could enhance the analytical capabilities of the institution and reduce dependence on external laboratories for routine and advanced research investigations.

The technical discussions also focused on the availability of **application-specific configurations, software, data management systems, validation support, installation requirements, calibration, user training and after-sales service**.

4. Equipment and Technologies Explored

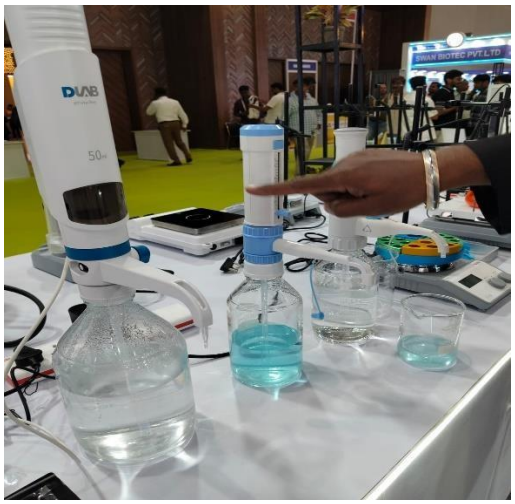
The Expo provided an opportunity to examine a wide range of analytical and laboratory technologies relevant to pharmaceutical research. The major categories explored included.

- High Performance Liquid Chromatography (HPLC) systems
- UV-Visible Spectrophotometers
- Fluorescence Spectrophotometers
- Dissolution Testing Systems
- Karl Fischer Titrators
- Analytical and Precision Balances
- pH and conductivity meters
- Stability testing and environmental monitoring systems
- Gas Chromatography (GC) and related accessories
- Chromatography data systems and analytical software
- Particle size analysis systems
- Spectroscopic and elemental analysis instruments
- Laboratory reactors and formulation development equipment
- Microbiological and sterility testing equipment
- Laboratory safety and sample preparation equipment
- Advanced laboratory automation and data management solutions

Key Instruments Identified:

Closed cabinets for both Weighing and Rota evaporator units which increases the sensitivity and controls solvent vapours which was previously identified lacuna by Sreevan Pharma. They also suggested about weighing boats.

Multiple reaction setup with and without refluxing unit attached with a magnetic stirrer provided with adjustable heating unit. This saves lot of space and time especially in chemistry labs.



Solvent dispenser for acids, variable heating mantles for R&D reaction setups.

Safety chambers for hazardous reactions, Modern Melting point apparatus.

Parallel solvent evaporator

Melting and boiling point apparatus, Dissolution apparatus for suppositories.

Angle of Repose calculator, Permeation studies –Franz diffusion cell with automatic sampling

.5. Procurement Considerations

Based on the interactions at the Expo, procurement of R&D equipment may be planned in a phased manner. Priority may be given to instruments that:

- Have high utility across multiple departments and research areas.
- Reduce the requirement for outsourcing analytical investigations.
- Have strong industry relevance.
- Are supported by reliable service and technical personnel in Hyderabad/Telangana.
- Have reasonable recurring costs for consumables, maintenance and calibration.
- Can be upgraded or expanded in the future.

6. Opportunities Identified

The Expo also provided an opportunity to explore potential collaboration with equipment manufacturers and analytical technology providers. Such interactions may be further developed for:

- Equipment demonstrations at SNVPMVS
- Faculty and student training programmes
- Application-specific technical workshops
- Industry visits
- Internships and project opportunities
- Equipment installation and user training

- Research collaborations
- Analytical testing and consultancy services
- Industry-sponsored research

8. Overall Assessment:

A significant observation from the visit was that **approximately 90% of the analytical and laboratory equipment relevant to the existing B.Pharm academic requirements and routine research activities are already available at SNVPMV**. This indicates that the institution has a well-established laboratory infrastructure supporting the academic requirements of the Pharmacy programme.

The major value of participation in the Expo was therefore the opportunity to **review emerging technologies, compare available solutions with the institution's existing infrastructure and establish direct contacts with industry vendors and suppliers**.

It is proposed that the contacts established with the participating vendors and suppliers may be maintained by the institution for obtaining **technical quotations, demonstrations, product updates, training support and preferential information whenever future equipment requirements arise**.

Conclusion

The visit to Analytica India Expo 2026 was productive and relevant to the continued development of SNVPMV's academic and R&D infrastructure. The visit confirmed the adequacy of the institution's existing laboratory facilities while providing valuable exposure to **new-generation analytical technologies and emerging laboratory solutions**.

The interactions with vendors and suppliers have created a useful network for **future technological upgradation and procurement**, enabling SNVPMV to make informed decisions based on actual institutional requirements, technological advancements and long-term R&D objectives. The vendor and supplier contacts established during the Expo may be maintained for **future equipment upgradation, replacement, calibration, maintenance and advanced R&D requirements**. Any future procurement may be undertaken on a **need-based and priority-driven basis**, considering emerging research requirements, technological obsolescence, utilization, service support and cost-effectiveness.