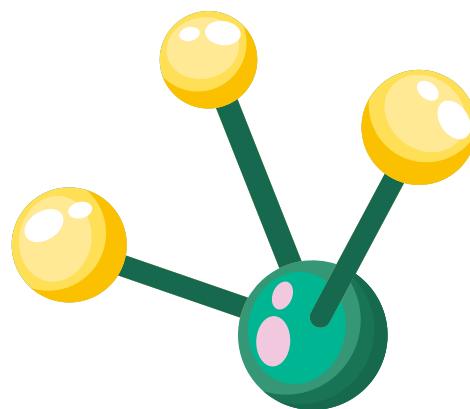


*in association with*



**SHRI B.V. PATEL  
EDUCATION TRUST**

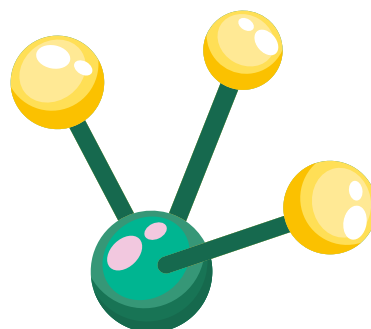


*is organising*

*Two Days Hands on Workshop on*

# Thin Film Deposition by Magnetron Sputtering

**18<sup>th</sup> - 19<sup>th</sup>**  
**December, 2025**



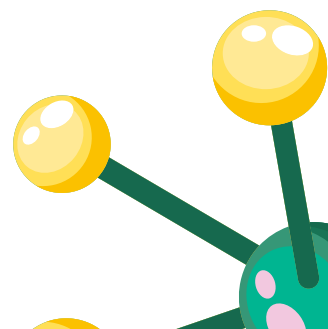
***Get in Touch:***



**+91 85113 69904**



**micronanornd@paruluniversity.ac.in**



## ***About Parul University***

A multidisciplinary destination of learning and innovation, propelling quality in higher education with a record of being India's youngest private university to receive NAAC A++ accreditation in the first cycle. Situated in Vadodara, Gujarat, Parul University, is an embodiment of the nation's essence of cultural heritage blended with modern innovations and academic practices for student enrichment, while fostering national and global development. The University is an amalgamation of faculties and institutes that offer a plethora of diploma, undergraduate, postgraduate and doctoral programs in numerous disciplines. Through its uniquely structured, industry linked and field aligned programs, the University holds a noteworthy record of fulfilling the infinite dreams of students, by launching their lucrative careers towards high trajectories through start-up incubation and impeccable placement records. The 125-acre eco-friendly campus is home to over 43,000 students from every State of India and over 2,500 international students from 68 countries, making Parul University a truly culturally global destination.

## ***About Micro-Nano R&D Center***

The Micro Nano Research and Development Center at Parul University, Vadodara, was established in 2024 under the auspices of the Industries Commissionerate, Government of Gujarat. This center was funded through the Scheme for Assistance for Research & Development Activities, under Gujarat Industrial Policy 2020. It is set to become a leading R&D Center for cutting-edge research and innovation in micro and nano technologies.



# About Shri B.V. Patel Education Trust

Shri B.V. Patel Education Trust is established in the fond memory of the First Drug Controller of Gujarat, Shri Bhupendrabhai V. Patel in the year 1974. Vision and Mission of the Trust is educational activities in the field of pharmacy and allied sciences to support pharma industry with skilled scientists / technocrats / management professionals. To fulfil this goal the Trust carries out various programmes like International Symposiums, Hands on Training Workshops, Industry- Oriented Dissertation Programs etc. The Trust also conducts Shri B.V. Patel Essay Competition annually where students / academicians / industry professionals from various field can participate.

Learn More: [www.bvpedutrust.com](http://www.bvpedutrust.com)

## Objectives of Workshop

- **Introduce the Fundamentals of Thin Film Technology**  
To provide participants with a strong understanding of thin film formation, deposition mechanisms, and coating processes.
- **Explore Magnetron Sputtering Techniques**  
To explain the working principles, configurations, and process parameters of RF/DC magnetron sputtering systems.
- **Bridge Theory with Practical Application**  
To connect the theoretical aspects of thin film physics with real-world industrial and research applications in material science and nanotechnology.
- **Develop Hands-on Competence**  
To enable participants to perform substrate preparation, thin film deposition, and system operation through supervised practical sessions.





## Schedule of Workshop

### **Day 1 - 18th December, 2025**

<b>09:30 AM - 10:00 AM</b>	<b>Registration</b>
<b>10:00 AM - 10:30 AM</b>	<b>High Tea/ Breakfast</b>
<b>10:30 AM - 12:00 Noon</b>	<b>Technical session 1- Fundamentals of Thin Film Fabrication and Coating Processes</b>
<b>12:00 Noon - 01:00 PM</b>	<b>Lunch Break</b>
<b>1:00 PM - 02:30 PM</b>	<b>Technical Session 2- Tuning Processing Parameters for Functional Thin Films</b>
<b>2:30 PM - 3:00 PM</b>	<b>Tea Break</b>
<b>3:00 PM - 4:00 PM</b>	<b>Demonstration of Magnetron sputtering</b>
<b>4:00 PM - 4:30 PM</b>	<b>Q &amp; A</b>

### **Day 2 - 19th December, 2025**

<b>09:30 AM - 10:00 AM</b>	<b>High Tea/ Breakfast</b>
<b>10:00 AM - 12:00 AM</b>	<b>Technical session 3- Applied Thin Film Nano Technology: Bridging Science and Industry</b>
<b>12:00 Noon - 01:00 PM</b>	<b>Lunch Break</b>
<b>1:00 PM - 4:00 PM</b>	<b>Hands On Training Session on Thin film deposition using magnetron sputtering</b>
<b>4:00PM- 4:30PM</b>	<b>Q &amp; A, Feedbacks and Closing Remarks</b>

# ***SCAN & REGISTER NOW!!!***



## ***12 Seats Only***

### ***Last Date to Register: 10th December, 2025***

#### **Convener**

Dr. Unnati Joshi,  
Chief Research Officer,  
Faculty of Engineering & Technology,  
Parul University

Dr. Neeta Shrivastava,  
Deputy Director,  
Shri B.V Patel Education Trust

#### **Coordinator**

Dr. Mahendra Singh Rathore,  
Associate Professor (Research Cadre),  
Faculty of Engineering & Technology  
Parul University

## ***Micro-Nano R&D Center***

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