

### Convener



Dr. Shahila Parween  
Senior Scientist,  
MNR Foundation for Research & Innovations

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Registration Link as below click here  
<https://forms.gle/Lef8wzg5faMKGNTN9>

"MNR Institutions' 50th anniversary celebrates a golden legacy marked by excellence, innovation, and profound impact, embodying decades of dedication to education, innovation, and societal advancement."



### Chief Patron



Sri M. N. Raju,  
Chairman of MNR Educational Institutions

### Patron



Ravi Varma Mantena,  
Vice-Chairman of MNR Educational Institutions

### Guest of Honor and Resource Person



Speaker: Dr. Amit Asthana  
Associate Professor &  
Head Department of Medical Devices  
Registrar (i/c)  
National Institute of Pharmaceutical Education  
and Research  
Department of Pharmaceuticals Ministry of  
Chemicals and Fertilizers  
NH 9, Kukatpally Industrial Estate,  
NIPER- Hyderabad

### WORKSHOP

on  
"FUNDAMENTALS OF AFFORDABLE  
POINT-OF-CARE TESTING (POCT) "  
ON 21ST MARCH 2024

### SPONSORED BY



सत्यमेव जयते

Department of science and technology (DST) Science and Engineering Research Board (SERB)



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policy of SERB)  
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MNR Foundation for Research &  
Innovations

MNR Medical College & Hospital  
Sangareddy - 502294, Telangana, India

## About the Organization:

### MNR Foundation for Research Center

MNR-FRI is a research center with the main focus on translational research and seeks to produce more meaningful, applicable results that directly benefit human health. The researchers at MNR -FRI are aiming to make significant advancements in the healthcare industry by focusing on understanding disease biology, affordable diagnostics, and innovative biomedical ecosystems thus contributing to the betterment of society.

### MNR Educational Trust

The dawn of 15th August 1974 not only heralded the 27th anniversary of India's independence but also marked the beginning of a new chapter within the annals of India's education in the state of Telangana. The day saw the birth of MNR Educational Trust founded by Sri M. N. Raju, Chairman of MNR Educational Group.

MNR Educational Trust is established to enrich lives through quality education. It has charted a path of moulding the students into competent future experts and successful professionals who will co-operate and contribute to make the world a better place.

To impart quality education and academic growth Sri M. N. Raju along with the strong rock-like support of Sri Ravi Varma Mantena overcame many challenges and steered the Trust to success by establishing several institutions in various fields while maintaining quality education. Now as the baton is passed, the young Vice-Chairman of the Trust, Sri Ravi Varma, is carrying on the legacy with great passion by accelerating the growth of the Trust with his innovative and exemplary leadership skills.

## Objectives:

- The key objective of this program is to discuss some analytical concepts and fundamental understanding of the Point of Care Diagnostics majorly focusing on paper based analytical devices.
- Exploring Diverse Perspectives: An Exposure Program for Faculties across MBBS, Engineering, PG, and Clinical Disciplines.
- The program will offer biosensor device design and development along with nanoparticle synthesis.
- The program also aims to support motivated researchers, PG and PhD level students, having a strong willingness to get excel in scientific and research quests.

## Topics to be covered:

1. Basics of Paper-based Analytical Devices
2. Device Fabrication and Testing
3. Nanoparticle based Biosensors
4. Hands on training of nanoparticle synthesis & characterization
5. Demonstration of Blood Typing Paper Devices (Testing & Analysis)
6. Demonstration of PCR and PAGE techniques

## Eligibility Criteria:

- Faculty members of higher education institutions, Students of higher education institutions, researchers, PG students, clinicians are eligible to apply.
- Total number of seats is limited to maximum 30 researchers. Selected participants will be informed through email.
- There is no registration fees.
- Registration is by first come first serve basis.

## Program Schedule:

9:30 AM - Lighting of the Lamp Ceremony

- Symbolizing the commencement of the workshop with positivity and enlightenment.

9:35 AM - Vice Chairman's Speech

- Opening remarks and overview of the workshop's objectives and importance.

9:45 AM - Speech by Shahila Parween

- Insightful address highlighting key aspects related to the workshop theme.

10:00 AM to 11:30 AM - Session 1

- Speaker: Dr. Amit Asthana, Associate Professor & Head, Department of Medical Devices, NIPER-Hyderabad

11:30 AM to 11:45 AM - Tea Break

11:45 AM to 1:15 PM - Session 2

- Speaker: Dr. Shahila Parween, Senior Scientist, MNR Foundation for Research & Innovations

1:15 PM to 2:00 PM - Lunch Break

2:00 PM to 3:30 PM - Session 3

- Practical workshop by Scientists and lab team of MNR-FRI

## Resource Person

Speaker: Dr. Amit Asthana  
Associate Professor & Head Department of Medical Devices  
NIPER- Hyderabad