

# 6<sup>th</sup> EDITION

# NOVATE+

# 2024

Enabling Creation of Market-Ready Products  
Through Industry-Academia Collaboration

## List of Shortlisted Projects for the Jury Round

| Project Title   | Student Applicant    | Mentor(s)  |
|---|----------------------|--|
| A Novel Saliva-Based Method for Early Detection of Iron Deficiency Anaemia: A Non-Invasive Method             | Supreet Kaur         | Dr. Thakur Gurjeet Singh<br>Dr. Rajwinder Kaur               |
| Commutable Folding Wheel Chair  | Sumanvi Vashisht     | Dr. Deepinder Singh  |
| Design and Development of Magnetorheological Finishing Setup for Finishing of Diverse Industrial Applications | Vanshika Sharma      | Dr. Manpreet Singh   |
| Design and Fabrication of Microchannel Heat Sink for Air Conditioning Systems                                 | Arpit                | Dr. Rajesh Sharma<br>Dr. Rajneesh Kumar                      |
| Harnessing Recycled Paper for Sustainable Packaging Solutions   | Devansh              | Dr. Sunita Mehta<br>Dr. Nitin Saluja<br>Mr. Sanjeev Bhardwaj |
| Hybrid Battery Thermal Management System (BTMS) for Electric Vehicles Using Heat Pipes and Refrigeration      | Dakshaj Chandel      | Dr. Rajesh Narota  |
| Portable Air Conditioner  | Ghansham Mangla      | Dr. Reetu Malhotra   |
| Recycled Parali-Based Wearable Smart Sensor for Wound Treatment and Monitoring                                | Ayushi Taneja        | Dr. Thakur Gurjeet Singh<br>Dr. Avneet Kour                  |
| Self-Activating Portable Cooling Pack for Immediate Physiotherapy Relief                                      | Amandeep Singh Bedi  | Dr. Roopika Sabharwal<br>Dr. Amandeep Singh                  |
| Shoulder Rehabilitation Device with Integrated Isometric Hold and Force Measurement System                    | Akshat Singh Chouhan | Dr. Shailja  |
| Stresssense: Non-Invasive Stress Detector   | Sushmita Jain        | Dr. Satyam K Agrawal<br>Dr. Anupma                           |