

Report of the One-Day Capacity Building Workshop for Industry 4.0 Readiness – CBWIR 2025 organized by the D.E.I. Technical College on 5th April 2025

The D.E.I. Technical College organized a One-Day Capacity Building Workshop on Industry 4.0 Readiness – CBWIR 2025 on 5th April 2025 in the College Auditorium. The objective of the Workshop was to equip students and faculty with insights into emerging Industry 4.0 technologies and trends.

Registration and Inauguration

Participants had registered for the event in advance through a link provided in the Brochure. The event commenced at 9:00 AM with the distribution of kit bags, followed by the formal inauguration at 9:30 AM. The program began with the Institute Prayer, '*He Dayal Sad Kripal*', the singing of the National Anthem, and the lighting of the ceremonial lamp.

Welcome Address and Opening Remarks

The Principal, D.E.I. Technical College, welcomed all participants and gave a brief introduction to the Workshop theme, highlighting the critical need to adopt Industry 4.0 technologies to remain relevant in the rapidly evolving industrial landscape.

Prof. C. Patvardhan, Director, Dayalbagh Educational Institute (Deemed to be University), shared reflections from his student life, emphasizing how times have changed and the importance of adapting to current technological trends.

Prof. Anand Mohan, Registrar, DEI, underlined the significance of such Workshops in keeping students updated with the latest advancements in technology and industry practices.



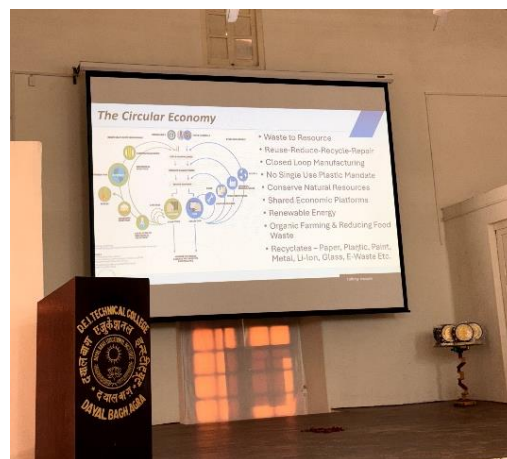
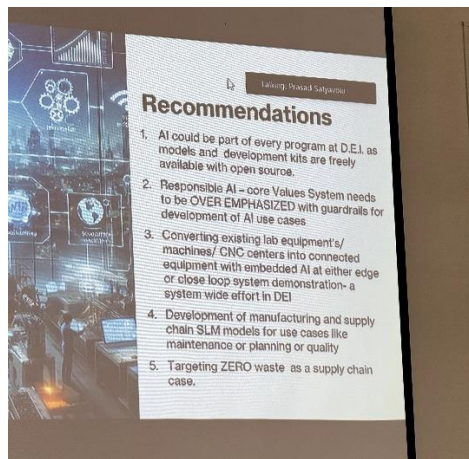
- (1) Participants at CBWIR 2025. (2) Principal, Technical College presenting Memento to Director, DEI. (3) Registrar, DEI addressing the audience. (4) Principal, Technical College interacting with the media.

Invited Talks

The Invited Talks featured a series of distinguished speakers from across the globe:

1. Mr. Prasad Satyavolu, Board Member, Clean Energy Smart Manufacturing Innovation Initiative, USA, spoke about AI in Manufacturing and Supply Chain, introducing the concept of the Dark Factory, where AI and physical automation with Robots, Humanoids and Automated Material Handling Equipment can help create better quality and cost-effective products.

2. Mr. Avinash Singh, CEO, GDB Circular, New Jersey, USA, discussed Sustainability in Manufacturing and the role of the Circular Economy, outlining the 9 R's: Refuse, Rethink, Reduce, Reuse, Repair, Refurbish, Remanufacture, Repurpose, Recycle, and Recover.

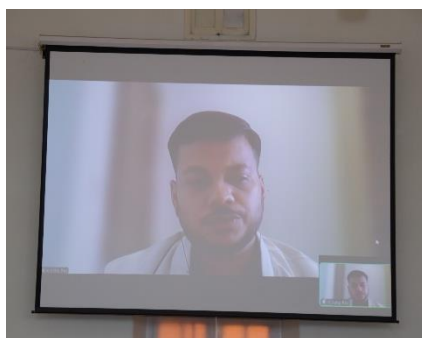


Slides from the Presentations of (1) Mr Prasad Satyavolu, Board Member, Clean Energy Smart Manufacturing Innovation Initiative, USA (2) Mr Avinash Singh, CEO, GDB Circular, New Jersey, USA.

3. Mr. Kshitiz Raj, EE Testing and Validation Manager, Electric Car Vinfast LLC, Vietnam, shared insights on the status and challenges of Electric Vehicles in India, particularly with respect to achieving the 2030 targets.

4. Mr. Manish Dua, Plant Head, HMSI, Mehsana, spoke about how Industry 4.0 technologies have enhanced efficiency in their motorcycle and scooter manufacturing processes.

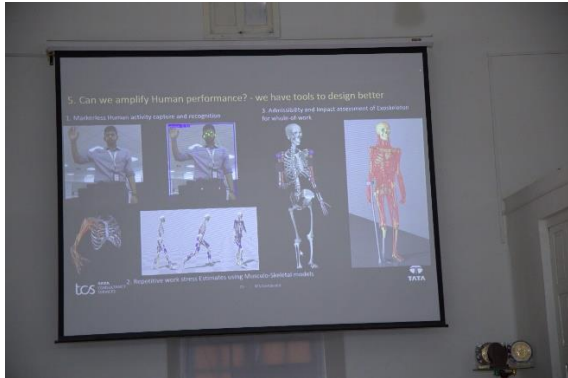
5. Mr. Shushil Yadav, Deputy Director, MSME, Agra, detailed the government's support for entrepreneurs, especially mechanisms to protect them from payment defaults and delays by buyers



Mr Kshitiz Raj, Mr Manish Dua, and Mr Sushil Yadav delivering their Invited Talks.

6. Mr. Rajesh Sinha, Chief Scientist at TCS Delhi, discussed the latest advancements in industrial robotics, highlighting recent developments and applications across various sectors. He also introduced the concept of Industry 5.0 (The Next Evolution), which marks a significant shift in the way industries will operate.

7. Mr. Khushi Ram, CEO, Destar Inc., Singapore, delivered a session on the Public-Private Partnership (PPP) Model, evaluating its pros and cons, and asserting its necessity in modern developmental projects. He cited successful examples like the Delhi Metro and Mumbai International Airport.



(1) A slide in the presentation of Mr Rajesh Sinha, Chief Scientist, Tata Consultancy Services.

(2) Mr Khushi Ram delivering his Talk on Public-Private Partnership (PPP) Model.

Valedictory and Closing

Mementos were given to the Guest Speakers, e-Memento being offered to those outside India. The Workshop concluded with a Valedictory function, where Dr Mayank Agrawal summarized the key takeaways for the participants. Dr M. Radhakrishna proposed the Vote of Thanks, acknowledging the contributions of speakers, organizers, co-sponsors, and participants.



(1) Dr Mayank Kumar Agrawal and Dr Surat Dewan anchoring the Workshop. (2) Dr M. Radhakrishna proposing the Vote of Thanks.

The event concluded with the Institute Song, followed by a group photograph of the attendees.



Group photo of the participants after the end of the proceedings of the Workshop.

Participants and Co-Sponsors

The Workshop was attended by 106 registered participants, including students, faculty, and staff. The program was anchored by Dr Mayank Kumar Agrawal and Dr Surat Dewan. Er Majer Singh, Dr K Pritam, Dr M Radhakrishna, Dr Mayank Agarwal, Capt. Manish Kumar, Er Shiv Prasad Yadav, Dr Aditya Singh, Dr Monto Shrivastava and Er Vipen Layal played pivotal roles in making the necessary preparations and arrangements which contributed to the overall success of the Workshop.

The event was co-sponsored by M/s Shyama Construction, Agra, M/s Manav Seva Charitable Blood Bank, Agra, and the Regional Office, Union Bank of India, Agra.