

Newsletter

Issue No. 02 | APR - 2024

UNLOCKING THE MILESTONES TOWARDS DIGITAL TRANSFORMATION IN PAKISTAN & MALAYSIA



Inside This Issue

- Reinforcement Learning Session | Page No. 2
- Maintenance & Updation of Project Website | Page No. 2
- Capacity Building Seminar | Page No. 3
- Centre of Excellence | Page No. 4
- Second Half Yearly Project Meeting at Karachi | Page No. 4
- Annual Conference at Karachi | Page No. 5

Acknowledgment

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Disclaimer

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info@getinnovative4impact.com



www.getinnovative4impact.com

Reinforcement Learning Session at Malaysia

Reinforcement learning session was organized by Dr. Noorhafiza from UNIMAP from 8th-10th November 2023. The meeting was conducted in Siantan Seminar Room of University of Malaysia Perlis.

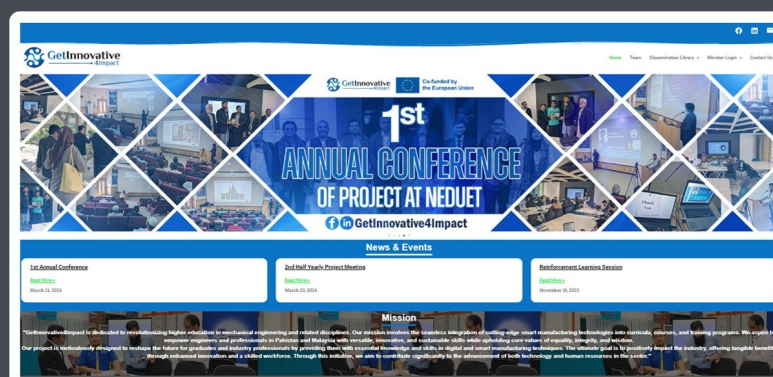
The Malaysian Beneficiary (UNIMAP) extended a warm welcome to the participants and gave them a tour of their university laboratories, faculty and made them visit to higher management. During the session the consortium participated in a series of hands-on training on course learning outcomes and innovative teaching methods.

The participants also had knowledge sharing sessions with the Director of CeGeoGTech, the Director of centre of advanced industrial technology (UMPSA), and the vice-chancellor of UNIMAP. A dinner was also hosted by Dr. Noorhafiza for the participants.



Maintainance & Updation of Project Website

Project website was launched in November 2023. The website contains information regarding the project, vision and mission of the project, project team, dissemination activities and news and events. The website is continuously updated.

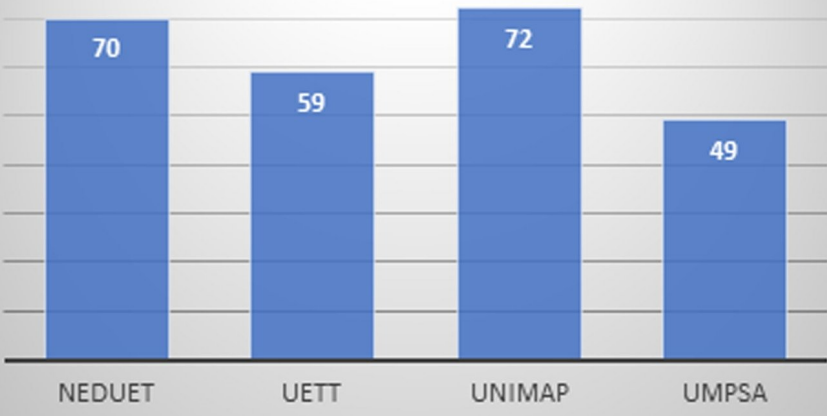
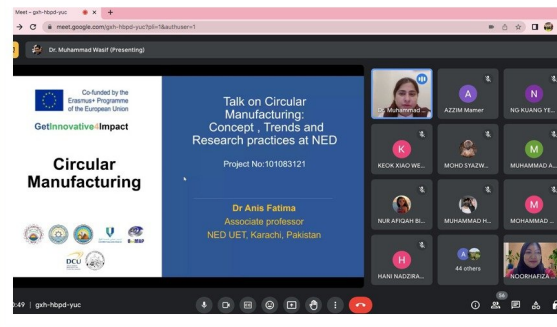


Capacity Building Seminar

Series of second awareness seminars were conducted in December 2023. Each participant HEI conducted a seminar in their institute. Following presentation were delivered.

- 1. Advancements in Manufacturing (Industry 5.0) - (NEDUET/UNIMAP)
- 2. Sustainable Manufacturing - (NEDUET/UNIMAP)
- 3. Digital Transformation: Malaysian Industries Approach - (UMPSA)
- 4. Evolution of Industry 4.0 & Future of Mechanical Engineering and Sustainable Manufacturing - (UETT)

NEDUET, UETT and UMPSA conducted the seminar in-person, while UNIMAP conducted online session for undergraduate and postgraduate students. Participants marked their attendance through digital link.



Statistics of Attendees of Seminar # 02

Recurring Consortium Meetings

Consortium meetings have been regularly called for the timely completion of the deliverables and milestones. Every HEI's representative attends these virtual meetings to give his consent on the subject matter.

Centre of Excellence in Pakistan & Malaysia

Design of Centre of Excellence (CoE) was proposed in February 2024. Two Centers of Excellence will be established in Pakistan & Malaysia; In Malaysia, Universiti Malaysia Perlis will establish CoE and in Pakistan, NED University of Engineering & Technology will establish CoE. Moreover, the equipment, facilities, infrastructure and working methodologies were also proposed.

Second Half Yearly Meeting at Karachi

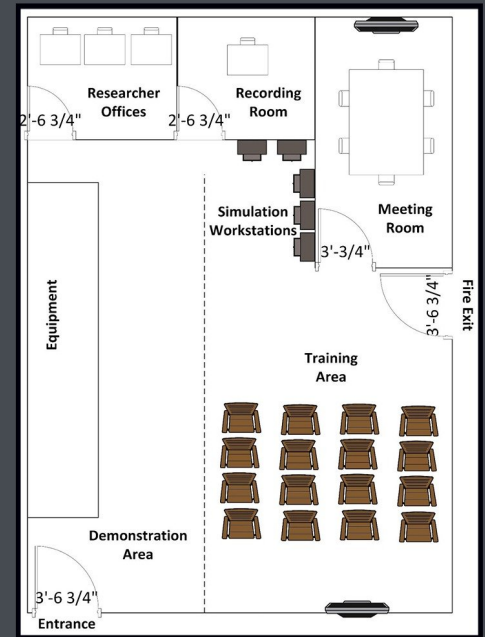
Second half yearly meeting was held at NEDUET Karachi Pakistan on 4th & 5th March 2024. Teams from UNIMAP (Malaysia), UMPSA (Malaysia) and UET Taxila (Pakistan) attended the meeting physically whereas teams of DCU and UNIBS joined the meeting online.

Dr. Tariq Jamil (Primary Participant Contact) presented schedule of the meeting. A series of sessions were conducted including (i) Discussion on lab equipment to be procured moderated by Dr. Wasif, (ii) Impact of Industry 4.0 on Sustainability talk by Dr Anis Fatima, (iii) Discussion on project update and budget plan moderated by Dr. Tariq, (iv) Talk with students on “Opportunity for students in Malaysia under Erasmus+ CBHE grant” moderated by participants of UMPSA and UNIMAP, and (v) PTDC meeting moderated by Dr. Salman Hussain.

NEDUET representatives arranged the visit to the facilities in campus and meeting with Vice Chancellor and Higher management.

The consortium deliberated on the project's advancement, upcoming deliverables, and the strategy for completing deliverables on schedule.

A dinner was arranged by NEDUET at PortGrand Karachi on 5th March 2024.

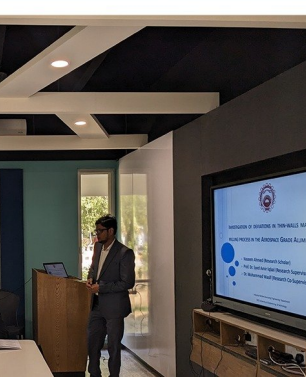


Annual Conference 2024

Annual conference was held at NEDUET on 6th & 7th March 2024. Stakeholders across the world were invited to participate and present their research. The Theme of the conference was “Industry 4.0 & Allied Digital Trends: Current Perspectives and Future Trends”. The conference tracks were:

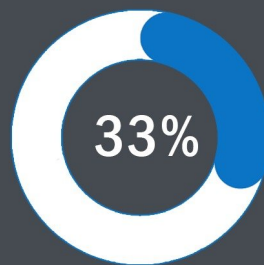
- Implementation of Digital/Smart Manufacturing Systems
- Applications of Artificial Intelligence and AR/VR and MR
- Advancements in Additive and other Manufacturing Processes
- Role of Cloud Computing in Mechanical and Manufacturing Engineering
- Adoption of Big Data Analytics, Visualisation and Dashboards
- Advanced Robotics and Material Handling System
- Energy 4.0, Advancements in Power Generation and Transmissions
- Advancements in Material Science and Technology

Twenty-two researchers presented their research work in the above tracks, six talks were invited from the industry and academic stakeholders. Students also participated in the conference, they displayed their poster presentation. Dr Asnul Hadi Bin Ahmed disseminated the progress on project whereas Dr. Tariq Jamil further talked about the capacity building program funded by European Union in NEDUET. Dr. Salman Hussain delivered Invited Talk on “Robot Detectives In Wake of Industry 4.0”. Dr. Marialaura presented her work on “Effect of Innovative High Pressure Heat Treatments on Mechanical and Microstructural Properties of L-PBF AISi10Mg Alloy” as an invited talk.



Project Progress

Out of thirty-six, twelve deliverables have been submitted in the first year of three year of project duration. This shows the commitment and active participation of project team.



For More Information, Contact Team GetInnovative4Impact

Dr. Tariq Jamil (Primary Participant Contact)
 Dr. Muhammad Wasif (Participant Contact - NEDUET)
 Dr. Mirza Jahanzaib (Participant Contact - UETT)
 Dr. Abdullah Mengal (Participant Contact - BUET)
 Dr. Asnul Hadi Bin Ahmed (Participant Contact - UMPSA)
 Dr. Noorhafiza Muhammad (Participant Contact - UNIMAP)
 Dr. Inam Ul Ahad (Participant Contact - DCU)
 Dr. Marialaura Tocci (Participant Contact - UNIBS)
 Mr. Muhammad Bilal (Project Manager)