



सत्यमेव जयते
Department of Science & Technology
Govt. of India



MEDI-CAPS
UNIVERSITY

DST-Technology Enabling Centre

MEDI-CAPS UNIVERSITY

Newsletter Volume 1
Sep, 2024



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Dear Readers,

Welcome to the inaugural bulletin of DST-Technology Enabling Centre, Medicaps University. As we move forward in the realm of technology and innovation, this newsletter is a testament to our sheer commitment to fostering technology development and excellence. At TEC, our focus is on providing an enabling ecosystem, process, and support system for researchers to turn their ideas into reality.

Prof. (Dr.) D.K. Panda
Coordinator, DST-TEC-MU
Pro-Vice Chancellor, Medi-Caps University.



Vision

At the Technology Enabling Centre (TEC), Medi-Caps University, our vision is to foster technology advancement and commercialization by creating a dynamic network of academic researchers, R&D institutes and industries.

Mission

Our mission is to create an ecosystem for technology development by:

- By promoting the culture of entrepreneurship and innovation.
- Acting as a catalyst in driving technology transfer and exchange.
- Empowering academia and industry through collaborative partnerships.

Objectives

1. To create an ecosystem for technology development within the university and around the region.
2. To assess the technology requirements of MSMEs and map the technologies available in the University.
3. To build a platform for researchers to network with other institutes, national laboratories, and industry partners.
4. To provide mentorship, training and capacity building in collaboration with industry and research organizations.
5. To provide advisory on technology advancement and commercialization, such as financial planning, business plan development and market study

DST TEC-MU Infrastructure and Human Resource

The Technology Enabling Centre is established in the MII Foundation building, the newly built space is well equipped with co-working space, a board room, seminar hall, and independent office rooms. The Centre has high-speed internet connectivity, a Smart Board for meetings and presentations, seminar hall equipped with projector, and speaker system.

The team is lead by Dr. D.K. Panda, Pro-Vice Chancellor at Medicaps University, and co-coordinator DR. R.K. Shukla, Head of Mechanical Department.

The newly recruited members include Consultant, Dr. Satendra Singh, with mechanical background and trainer Ms. Bhakti Sharma, coming from Pharma Background. The Data Entry Operator is Mr. Anuj Pawar.



Prof. (Dr.) D. K. Panda
Coordinator, TEC
Medicaps University



Prof. (Dr.) R.K Shukla
Co-Coordinator, TEC
Medicaps University



Dr. Satendra Singh
Consultant, TEC
Medi-Caps University



Miss. Bhakti Sharma
Trainer, TEC
Medi-Caps University



Mr. Anuj Pawar
Data Entry Operator, TEC
Medi-Caps University

Services at DST-TEC-MU

For Academia

- Commercialization of technology solutions.
- Development of technology-based pilot plant projects.
- Connecting with Industries.
- Training sessions and workshops .
- Connecting with national and scientific research facilities.
- Technology Consultation (including Design, Automation, and Optimization).
- Intellectual Property Facilitation

For Industry

- Technology transfer based on Technology readiness Level
- Tailored solutions in collaboration with experts
- Connecting with both national and scientific research laboratories.
- Technology licensing.
- Collaborative development of products and processes.
- Addressing multiple disciplinary challenges
- Enhancing skills and providing training.

For MSME

- Technology Consultation (including Design, Automation, and Optimization).
- Evaluation of technology readiness and enhancements.
- Training and workshops on emerging technologies.
- Technology marketing services utilizing various channels.
- Technology transfer to the industry.
- Mining, scouting, and development of technology.
- Facilitating funding and IP services

Focus Areas



Pharma and Healthcare



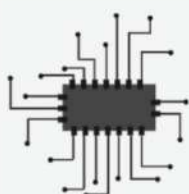
Agriculture and Food Processing



Mechanical and Manufacturing



AI/ML and Data Science



Electronics and Sensors



Civil and Architecture



Cross- Disciplinary

Our PAG Members



Chairman
Prof. (Dr.) Dilip K. Patnaik
Vice Chancellor
Medi-Caps University



Mentor
Prof. Nalinaksha Vyas,
Emeritus Fellow
Department of Mechanical
Engineering
IIT- Kanpur



EAG Member
Dr. Sanjay Kumar,
Chief Scientist & Head
Metal Extraction &
Recycling



Member
Prof. Meenakshi
Sundaram,
TEC Coordinator,
Anna University



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Dr. S. K. Kashyap,
TEC Coordinator, G.B.
Pant University



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Representative**
Shri Praveen Roy,
TTI Division, DST, Govt.
of India



**Member, DST
Representative**
Dr. Krishna Kanth
Pulicherla
Scientist
TDT Division, DST



Member
Prof. (Dr.) R.K Shukla
Co-Coordinator,
HOD, Mechanical Dept. Medi-Caps
University



Member Secretary
Prof. (Dr.) Debendra Kumar Panda
Coordinator,
Pro-Vice Chancellor, Medi-Caps
University

Central Working Committee



Chairman
Prof. (Dr.) Dilip K. Patnaik
Vice Chancellor
Medi-Caps University



Member
Dr. V. Ganeshan,
Dean Research,
Medi-caps University



Member
Dr. Shilpa Tripathi,
Dean of Student Welfare,
Medi-caps University



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Dean Faculty of Engineering,
Medi-caps University



Member
Prof. (Dr.) Abbas Ali Koser,
Dean Faculty of Science,
Medi-caps University



Member
Prof. (Dr.) Sunil D. Upadhyaya,
Dean Faculty of Agriculture,
Medi-caps University



Member
Prof. (Dr.) Sanjay Jain,
Dean of Pharmacy,
Medi-caps University



Member
Prof. (Dr.) P. Siluvainathan
Registrar,
Medi-caps University



Member
Mr. Sanjay Dhare,
CFAO,
Medi-caps University

Central Working Committee

Institute Partners



Member
Prof. Srinidhi Rao,
Chameli Devi
Group of Institute,
Indore



Member
Dr. Kalpana Singh,
Govt. Madhav
Science College,
Ujjain



Member
Prof. C.K. Pardhi,
SISTec-R, Bhopal



Member
Dr. Supriya Pathak,
Oriental
University, Indore



Member
Prof. Mamta
Gokhley,
St. Aloysius College,
Jabalpur

Industry Partners

Prashanti Engineering Works Pvt. Ltd. , Pithampur, M.P.

Noble Engineering, Pithampur, M.P.

Udeet Electricals, Thane, Maharashtra

Kanal Enterprises, Indore, M.P.

OM Nursery, Khargone, M.P.

Core Members



Member
Prof. (Dr.) R.K Shukla
Co-Coordinator,
Medi-Caps University



Member Secretary
Prof. (Dr.) D.K. Panda
Coordinator,
Medi-Caps University

1st CEO Conclave

Fostering Growth Through Innovation and Collaboration

The 1st CEO Conclave organized by the Technology Enabling Centre, Mediacaps University brought together industry leaders to discuss the future of technology and innovation. The key objective of the event was to explore ways in which industry and academia can work together to create innovative solutions and address industry challenges related to production, process, supply chain management, technology transfer and more. The event featured keynote speeches, and networking opportunities, focusing on emerging trends, challenges, and strategies for leveraging technology in business. Key topics included digital transformation, sustainable practices, and the role of collaboration in driving growth. The conclave aimed to foster dialogue among CEOs, encourage knowledge sharing, and inspire actionable insights for navigating the evolving technological landscape.



1st Central Working Committee (CWC) Meeting

The first Central Working Committee meeting for the Technology Enabling Centre held on 31st August, 2024, marked a significant step forward in fostering innovation and collaboration. Key stakeholders gathered to discuss the progress made by TEC, strategic priorities, outline project goals, and establish frameworks for future initiatives. The committee emphasized the importance of integrating emerging technologies to drive sustainable development and enhance operational efficiency. With a focus on inclusivity and diverse perspectives, the meeting set the tone for a dynamic and collaborative approach to addressing technological challenges and opportunities in the region.



Industry Outreach Programs

The Industry Outreach program by TEC consisted of Industry visits and meetings with the important stakeholders of the industry. This helped promote between academia and industry, understand the requirements of the industry and real-time problems faced by the industry. Through regular dialogues with the industry, opportunities for collaboration and knowledge exchange were established. This helped identify the gap between technological advancements and real-world applications and bridge the gap between academia and industry ultimately contributing to the growth of both sectors.

Following Industries were covered in the outreach program:

- TATA International, Dewas
- Ace Engineering and Chemicals, Rau
- Mahindra and Mahindra, Pithampur
- Radiant Thermal Engineers, Indore
- Delite Automac Pvt. Ltd., Pithampur
- Ipca Labs, Pithampur
- SPM AutoComp, Pithampur
- Appalto Electronics, Pithampur



Glimpses of Industry Visit

Through Industry visits, industrial operations were observed and a number of problems faced by industry in day to day operations were discussed. Problems related to process automation, lack of skilled labour, waste management, supply chain management, quality control etc. were highlighted.

We are determined to address these problems with the help of domain experts and resource person and to provide a viable solution to industries in a specific timeframe.



Upcoming Event!

2ND CEO CONCLAVE

28 September, 2024

By bringing together industries and academia to work together to tackle real-world problems faced by both the community and the industry, Technology Enabling Centre, Medi-Caps University is committed to enhancing the innovation ecosystem in the state of Madhya Pradesh.

Contact Us

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