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अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का एक सांविधिक निकाय)

(शिक्षा मंत्रालय, भारत सरकार)

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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt. of India)

(Ministry of Education, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

F. No. AICTE/P&AP/Circular/2024

Date: 2nd September, 2024

CIRCULAR

To,

All Vice Chancellors of Technical Universities
Directorates of Technical Education (All States / UTs) and
All Directors/Principals of AICTE Approved Institutions

Subject: Details of Institutes having facilities in Chemical and Petrochemical sector

Respected Sir/Madam,

In recognition of the critical role of collaborative efforts between Industry and Academia in fostering Research, Innovations and sustainable growth within the Chemical and Petrochemical sectors, the Department of Chemicals and Petrochemicals (DCPC) intends to establish an electronic (web based) platform facilitating interactions, partnerships and technology matchmaking between these stakeholders.

Collaboration between industry and academia fosters innovation, knowledge exchange, and technology development. However, aligning industry needs with academic capabilities and vice versa remains a challenge. This platform seeks to bridge this gap by providing a centralized mechanism for technology matchmaking, thereby facilitating meaningful collaborations and addressing sector-specific challenges more effectively.

In view of the above, a concept note is enclosed herewith. The Institutes having facilities in Chemical and Petrochemical sector are requested to fill the details in the **form** by 06th September, 2024.

We deeply appreciate your time and engagement.

Warm regards,

Yours sincerely,

Dr. Dinesh Singh
Director-P&AP (AICTE)



सूचना का
अधिकार

Industry-Academia Collaborations: Concept Note for a Dedicated Platform

Introduction:

The Department of Chemicals and Petrochemicals, acknowledges the significant role of collaboration between industry and academia in driving innovation and sustainable growth in the chemical and petrochemical sectors. To enhance this collaboration, the department aims to establish a dedicated platform that facilitates interactions, partnerships, and technology matchmaking between these stakeholders. Additionally, the platform will feature administrative interfaces for monitoring and enable R&D organizations to showcase their available technologies while allowing industries to exhibit their technological requirements.

Rationale:

Collaboration between industry and academia fosters innovation, knowledge exchange, and technology development. However, aligning industry needs with academic capabilities and vice versa remains a challenge. This platform seeks to bridge this gap by providing a centralized mechanism for technology matchmaking, thereby facilitating meaningful collaborations and addressing sector-specific challenges more effectively.

Objectives:

a. Facilitate Interactions: The platform will serve as a virtual space for industry professionals and academic researchers to connect, exchange ideas, and explore collaboration opportunities.

b. Promote Partnerships: Advanced system will facilitate technology matchmaking, encouraging the formation of strategic partnerships to address industry challenges and drive innovation.

c. Provide Support Services: The platform will offer project management resources, and regulatory guidance to facilitate successful collaborations.

d. Showcase Technologies: R&D organizations will have the opportunity to showcase their available technologies, while industries can exhibit their technological requirements, fostering collaboration opportunities.

e. Enable Administrative Monitoring: Administrative interfaces will enable efficient monitoring of platform activities and performance, ensuring optimal functionality and user satisfaction.

Key Features:

a. Technology Matchmaking: Advanced system will match industry technological requirements with available academic and R&D organization technologies, facilitating efficient collaboration.

b. User Profiles: Users can create profiles detailing their expertise, interests, and collaboration preferences, allowing for targeted networking and partnership formation.

c. Technology Showcases: R&D organizations can showcase their available technologies, while industries can post their technological requirements, facilitating collaboration opportunities.

d. Resource Repository: A comprehensive repository of available technologies, case studies, will support collaboration efforts and facilitate knowledge exchange.

e. Feedback Mechanism: Continuous feedback mechanisms will gather user input to enhance platform functionality, user experience, and collaboration effectiveness.

Implementation Plan:

a. Development Phase: The platform will be developed in collaboration with NIC/experienced software developers and stakeholders from industry, academia, and R&D organizations.

b. Launch and Promotion: A comprehensive launch strategy will promote the platform among relevant stakeholders through awareness campaigns, webinars, and virtual workshops.

c. Capacity Building: Virtual Training programs will familiarize users with the platform's features and functionalities, empowering them to leverage its full potential for collaboration.

d. Continuous Improvement: Regular updates and enhancements based on user feedback and emerging trends will ensure the platform remains relevant and effective.

Monitoring and Evaluation:

a. Performance Metrics: Key performance indicators (KPIs) will assess the platform's effectiveness in facilitating collaborations, driving innovation, and achieving tangible outcomes.

b. Administrative Monitoring: Real-time monitoring of platform activities, user engagement metrics, and performance indicators will enable efficient administration and optimization.

c. Impact Assessment: Periodic assessments will evaluate the platform's contribution to sectoral growth, competitiveness, and innovation in the chemicals and petrochemicals sectors.

Outcome: The proposed platform represents a significant advancement in fostering collaboration between industry, academia, and R&D organizations in the chemicals and petrochemicals sectors. By facilitating technology matchmaking, providing support services, and enabling monitoring, the platform will empower stakeholders to leverage their collective expertise and resources for mutual benefit and national development.
