



## Annexure-A, Conference Details

### 1. INTRODUCTION:

In the contemporary landscape of innovation and progress, the synergy between academia, industry, and government (Triple Helix) plays a pivotal role in driving societal development. However, a gap among these three sectors often inhibits the seamless flow of knowledge, resources, and expertise. To address this disparity and cultivate stronger bonds, we propose a conference on industrial liaison with a special focus on nurturing and enhancing the relationship between industry and academia.

### 2. CONFERENCE OBJECTIVES:

- i. To explore and analyse the current status of academia, industry, and government collaborations locally and globally.
- ii. To identify challenges and opportunities in establishing and maintaining effective academia-industry-government partnerships.
- iii. To showcase successful models of collaboration between industry and academia.
- iv. To facilitate discussions on integrating industry practices into academic curriculum and vice versa.
- v. To encourage the exchange of ideas and best practices for fostering long-term relations among academia, industry and government.



### 3. PROPOSED ACTIVITIES:

#### I. Keynote Speeches on Fostering Sustainable Partnerships ▶

Distinguished speakers from academia, industry and government will share insights and experiences on fostering successful partnerships.

Keynote topics may include:

#### i **Innovation Ecosystems:**

"Innovation Ecosystems" refer to the interconnected network of entities, including industries, startups, academic institutions, government agencies, and other stakeholders, that collaborate and interact to foster innovation within a particular industry or region. These ecosystems are characterized by dynamic relationships, knowledge sharing, and resource exchange aimed at driving technological advancements, creating new products and services, and stimulating economic growth.

#### ii **Industry-driven Research:**

Refers to research endeavors initiated and guided by the needs, goals, and challenges of specific industries or sectors. Unlike purely academic research, which may prioritize theoretical exploration or fundamental discoveries, industry-driven research is focused on addressing practical problems, developing new technologies, or improving existing processes within a particular industry. It may include topics such as collaborative research partnerships between industry and academia, funding mechanisms for industry-sponsored research projects, best practices for technology transfer and commercialization, and case studies highlighting successful industry-academic collaborations in driving innovation and economic development.





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### iii The Role of Academia in Economic Development:

The topic refers to the contributions and impact of academic institutions (such as universities and research centres) on fostering economic growth, innovation, and prosperity within a region or country. Academia plays a crucial role in driving economic development through various means, including; Research and Innovation, Human Capital Development, Technology Transfer and Commercialization, and Entrepreneurship and Innovation Ecosystems.

### iv Strategic Models for Industry-Academia-Government Collaboration:

It refers to structured frameworks or approaches designed to facilitate effective collaboration among industries, academic institutions, and government entities. These models aim to harness the complementary strengths, resources, and expertise of each sector to achieve common goals such as fostering innovation, driving economic growth, and addressing societal challenges. Ultimately, strategic models for collaboration between industry, academia, and government offer an organized way to build productive relationships that generate innovation, economic development, and societal impact. They enable stakeholders from various sectors to collaborate holistically towards similar goals, resulting in value for all parties.

### v Roles of Academia, Industry, and Government in Strengthening Collaboration:

Exploring the role of academia, industry, and government in increasing collaboration, involves looking into the specific contributions, responsibilities, and actions done by each of these sectors to create and improve relationships. Understanding the individual's roles in collaboration is essential for identifying opportunities, addressing challenges, and maximizing the impact of collaborative initiatives.

### vi Academia-Industry-Govt's Collaboration Impact on Economic Growth and Sustainability:

Collaboration among academia, industry, and government catalyzes economic growth and sustainability through synergistic efforts. By pooling resources, expertise, and research findings, this collaboration fosters innovation and accelerates the development of cutting-edge technologies and solutions. Industries benefit from access to advanced research, while academia gains practical insights and opportunities for real-world application of knowledge. Government involvement ensures supportive policies, funding mechanisms, and regulatory frameworks that promote sustainable development and long-term prosperity. Together, these stakeholders create a robust ecosystem where innovation thrives, industries flourish, and societies advance towards a more sustainable future.

### vii Challenges & Emerging Trends for Collaboration among Academia, Industry, and Government:

Balancing the distinct priorities and timelines of academia, industry, and government poses a significant challenge to collaboration. Looking ahead, emerging trends suggest a growing emphasis on interdisciplinary approaches, digital transformation, and sustainability initiatives. Leveraging emerging technologies and embracing open innovation models will be key to overcoming challenges and fostering impactful collaboration for future progress.







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### II. Roundtable Discussion ►

- a. Leveraging Academia for Technical Support in Industry. Participants will explore the role of academia in providing technical support to industries, ranging from research collaborations to consultancy services.
- b. Establishing Long-term Relations through University Labs and Professorial Chairs.

This will focus on strategies for establishing industry-funded labs within universities and endowing professorial chairs to facilitate ongoing collaboration and knowledge exchange.

Participants will discuss:

- i. **Funding Models**
- ii. **Governance Structure**
- iii. **Mutual benefits for both academia and industry**

- C. Proposed Potential Industries for Roundtable discussion (Breakout Sessions):

1. **Construction,**
2. **Textile,**
3. **Energy/Environment,**
4. **Information Technology,**
5. **Process (Chemical/Petroleum/FMCG...),**
6. **Automotive,**
7. **Healthcare.**
- any other...**







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### 4. STRUCTURE OF CONFERENCE:

The conference will commence with a grand **Inaugural Session** (9:300hrs-10:40hrs) featuring participation from the academia, industry and government sectors.

The Inaugural session will follow with a tea-break & networking of twenty minutes.

Following the tea-break, there will be a **Plenary Session** where speakers will speak on a topic of industrial linkages to the conference delegation (11:00hrs - 12:30hrs). The plenary session will conclude with a Q&A session (12:30hrs - 13:00hrs).

Followed by one session i.e **Roundtable Discussion (Breakout Sessions)** in the afternoon (14:00hrs - 15:00hrs), culminating in a **Closing Session**.

The proposed activities outlined above will be distributed across these sessions, ensuring that representatives from academia, industry, and government have ample opportunity to exchange their insights and experiences.

### 5. POTENTIAL PARTICIPANTS:

In view of the importance of the Conference, the following are essentially to attend so as to make the event a fruitful one:



#### Academia:

VCs, Pro-VCs, Rectors, Deans, Chairpersons, Industrial Liaison, Faculty.



#### Industry:

CEOs and top leadership from Automobile, Pharma, Chemical, Paints, Manufacturing, Construction, Service industries, Process industries, Chemical industries, Software, DISCOs, GENCOs, Telcos and others.



#### Government:

Sindh HEC, Department of Industries & Labor, Chambers of Commerce etc.



#### Regulatory Bodies:

Pakistan Engineering Council, HEC, SHEC, U&B, National Computing Education Accreditation Council, etc.

### 6. CONCLUSION:

The proposed leadership's conference on industrial liaison with a focus on developing industry, academia, government bonding aims to catalyze meaningful interactions and collaborations between these three essential sectors. By fostering a deeper understanding of each other's needs, capabilities, and aspirations, we aspire to lay the groundwork for sustainable partnerships that drive innovation, economic growth, and societal impact.





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### FOR REGISTRATION:

<https://forms.gle/DXTHFKMavET2touW8>



### More Information:

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