



Er. Navdeepak Sandhu

Deputy Director
(Corporate Relations & Alumni)

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PTU PUNJAB
TECHNICAL
UNIVERSITY

Ref. No. IKGPTU/CR&A/40

Dated 01/11/19

**Directors/Principals
All the Institutions/Colleges & University Campuses
Affiliated to IKG PTU**

Sub: Innovation & Technology Summit on Nov 05, 2019.

Dear Sir/Madam

Government of Punjab is organizing 'Innovation & Technology Summit' on Nov 05, 2019 at The Lalit, Chandigarh. The Summit will promote strengthening of ties and deep engagements between institutions, innovators, high technology researchers, leaders and thinkers representing academia, businesses, entrepreneurs and policy makers. Department of Science, Technology & Environment, Govt. of Punjab has partnered with various Universities and Research Institutions in the State to collaborate for promoting research & innovation.

Hon'ble Chief Minister, Punjab will inaugurate the Summit and launch the Roadmap of 'Mission innovate Punjab' aimed at building a strong eco-system for nurturing innovations and research. It will provide a unique platform and opportunity to young researchers exposing them to innovative ideas and programmes that will inspire them for out of the box thinking to join the emerging start-up culture in the country. Invite letter along with Concept and Agenda for the Summit received from Government is attached for reference.

You are requested to kindly depute Innovation & Entrepreneurship Development Coordinator of your Institute/College to attend the summit.

With profound regards,

Deputy Director (CR&A)

"Propelling Punjab to a Prosperous Knowledge Society"

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D.O. No. 2509
Dated: 30/10/19

Dear Mr. Sandhu,

You may be aware that the Government of Punjab has launched 'Mission Innovate Punjab' to develop a robust ecosystem for research & innovation to enhance competitiveness, boost economic growth and create employment. Steps have accordingly been initiated to consolidate the facilitating environment through active involvement and networking of institutions having state-of-the-art research & innovation infrastructure.

2. In this regard, Government of Punjab is organizing 'Innovation & Technology Summit' on 5th November 2019 at The Lalit, Chandigarh. The Summit will promote strengthening of ties and deep engagements between institutions, innovators, high technology researchers, leaders and thinkers representing academia, businesses, entrepreneurs and policy makers. Department of Science, Technology & Environment, Govt. of Punjab has partnered with various Universities and Research Institutions in the State to collaborate for promoting research & innovation in the State.

3. Hon'ble Chief Minister, Punjab will inaugurate the Summit and launch the Roadmap of 'Mission Innovate Punjab' aimed at building a strong eco-system for nurturing innovations and research. It will provide a unique platform and opportunity to young researchers exposing them to innovative ideas and programmes that will inspire them for out of the box thinking to join the emerging start-up culture in the country.

4. The Summit will also focus on various technical sessions on start-ups viz. Young Innovators and Start-ups; Funding Opportunities; Social Innovations & Enterprises. This would provide an opportunity for start-ups and entrepreneurs to learn about various programmes & policies of Govt. of India, enablers for promoting innovation ecosystem, private & public funding options and key learnings from success stories of mature start-ups.

5. I am writing to request you to kindly participate in the Summit as a Distinguished Guest. Concept and Agenda for the Summit is attached for reference. Further you are also requested to circulate the Summit invite to all PTU affiliated Innovation Entrepreneurship Development (IED) Centers to mobilize participation of their Co-ordinators as well.

6. I look forward for your kind presence in the Summit.

With regards,

Yours sincerely

(R.K.VERMA)

Mr. Navdeepak Sandhu,
Deputed Director,
Department of Corporate & Alumni Affairs
IK Gujral Punjab Technical University,
Jalandhar, Punjab

Encl: As above



**PUNJAB
INNOVATION
AND
TECHNOLOGY
SUMMIT 2019**

November 5, 2019, Hotel The Lalit, Chandigarh



ORGANIZED BY
**DEPARTMENT OF SCIENCE,
TECHNOLOGY &
ENVIRONMENT, PUNJAB**

in association with



**PUNJAB
CHAMBER OF
COMMERCE & INDUSTRY**

“

Never before has a state offered so much to business, as we do.

Our focus is now on creating an eco system

encompassing

Government,

academia, industry

and funding agencies

to make Punjab the

Global Hub of

Research and

Innovation.

I extend a personal invite to you to come

and explore the opportunities.

”



Captain Amarinder Singh
Chief Minister, Punjab

The State of Punjab is known for its leadership position in the country with rapid strides in all round growth and prosperity. The State has done remarkably well in sectors across the spectrum such as Agriculture, Industry, Health, Education, Sports, Arts, Literature and Culture. The State has excellent infrastructure, human capital, progressive and enterprising people, who can transform every potential opportunity into success. Punjabi diaspora is spread across the world and has carved out a niche for itself.

MISSION INNOVATE PUNJAB

- The Government of Punjab is now focussed on developing the State as Hub of Research and Innovation. It has accordingly conceptualized Mission Innovate Punjab, to build an ecosystem, which will synergise a complex set of relationships among key actors in the system such as Government, Universities and Research Institutions, Industries, Human Capital and Finance
- Mission Innovate Punjab will bring the distinct cultures of Academia, Industry and Government together to drive Knowledge Economy of the State. Mission Innovate Punjab will strive towards developing a robust ecosystem for research and innovation in the State which will enhance competitiveness, boost growth and create jobs.

KEY PILLARS OF INNOVATE PUNJAB



UNIVERSITIES
& RESEARCH
INSTITUTES



INDUSTRY
ENTREPRENEURS
START UPS



GOVERNMENT
DEPARTMENTS



INVESTORS/
FUNDING
AGENCIES

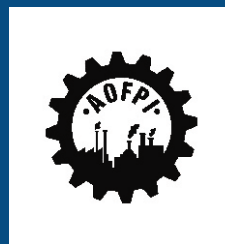
UNIVERSITY PARTNERS

Innovate Punjab brings together major State, Central and Private Universities and Research Institutions as partners to promote Research & Innovation.



INDUSTRY PARTNERS

There is a strong focus on MSME's and how they can leverage Research and Technology Innovations to grow their business. Majority of the Industry bodies and associations have joined hands with Innovate Punjab for this purpose.



GOVERNMENT PARTNERS



Department of Science & Technology, Government of India

Department of Biotechnology, Government of India



Department of Technical Education and Industrial Training

Department of Higher Education

Department of Medical Education & Research

Department of Industries & Commerce

Department of Local Government

Department of Agriculture

Department of Water Resources

Department of Health Services & Family Welfare

Department of Animal Husbandry,
Dairy Development & Fisheries

Department of Rural Development and Panchayats

PRINCIPAL SPONSOR



SUPPORTED BY





November 5, 2019, Hotel The Lalit, Chandigarh

AN UNMATCHED PLATFORM TO HARNESS THE RESEARCH & INNOVATION WAVE

Punjab Innovation and Technology Summit, 2019 brings together leaders and thinkers representing Academia and Research, Industries and Businesses, High Technology Ventures, Governments, Funding Agencies from across the globe, to analyze the opportunities and challenges, presented by technology transformation and the frameworks needed for global scale-up.

The Summit's focus is on new directions in technology policy, such as data protection, building an innovation ecosystem, as well as fields including digital finance, e-mobility, robotics, smart cities, and future of public delivery system, where massive technological transformation will happen in the coming years.

GOALS OF PUNJAB INNOVATION & TECHNOLOGY SUMMIT 2019

- Promote Punjab as the global destination for Research & Innovation, progressive ideas for policy reforms and regulatory environment
- Capture global trends in technology management and strategy & become a leader in sustainable technologies by scouting, spawning and sustaining grassroots innovations, in tune with 'Make in India' and 'Digital India'
- Harness demographic dividend of the State, evolving into an innovative society by nurturing the mindsets of the youth, provide an environment to translate knowledge and innovation into creation of successful entrepreneurs and create a mechanism for mentoring by successful entrepreneurs to accelerate young enterprises in the State
- Technology development and commercialization, support science & technology entrepreneurship development for promotion of knowledge based technology driven entrepreneurs. Popularization of Science & Technology in the State
- Fostering international cooperation & collaboration in Science & Technology
- Provide platform for entrepreneurs, financiers, mentors and other stakeholders from Punjab and across India to engage and collaborate; connect local and global research & development community for collaborative engagement
- Bridging the technological gap between inventor & industry, manufacturers & academia. Facilitation of technology seekers and technology owners, creation of extensive database of innovative products, technologies and intellectual properties within the state
- Build capacities for market assessment and rapid commercialization of research, create avenues for industry-academia-government partnerships
- To understand how technology can be leveraged to transform Punjab's socio-economic landscape, Science & Technology interventions for rural & weaker sections, to meet the socio-economic and environmental needs of our society.



KEY TAKEAWAYS

Innovation and Academia

Boosting Research & its Commercialization



- How to make our Universities focus on Research & Innovation and not merely on academic pursuits
- How some universities/ institutions have undertaken innovation driven research and its application in various sectors including successful commercialization
- Opportunities for research institutions, universities and technological institutions to showcase/ emphasize on how to leverage research capabilities for driving tech based novel solutions, processes and products for social/ economic growth
- Creating Local to Global, Global to Local network of researchers and Innovators.

Leveraging Punjab

Land of Opportunities for Research & Innovation



- Steps taken by Punjab to promote Research & Innovation ecosystem in the State
- Punjab — creating synergies among Universities, Research Institutions, Industry and the Government
- Launch of Mission Innovate Punjab and other State initiatives for the promotion of Research and Innovation
- Launch of Draft State Action Plan for Climate Change.

Exploring Global Opportunities

Collaboration and Convergence



- A reflection upon innovations undertaken by major global actors and stakeholders and the impact of these innovations
- Collaboration opportunities with various Governments and global MNCs in critical fields including aerospace, robotics, critical infrastructure, disruptive technologies and utilization of Punjab's research capabilities.

KEY TAKEAWAYS

Disruptive Technologies

The New Paradigm of Development



- Success stories on transformative technologies — Industry 4.0, Machine Learning, Artificial Intelligence, Internet of Things
- Leveraging technology to transform, MSME and AGRI sector of the state in league with Make in Punjab concept
- Promotion of knowledge based, technology driven entrepreneurs.

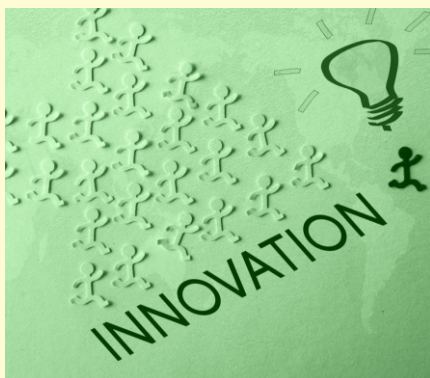
Young Innovators & Start-ups



- Interactive session for budding Start-ups and Researchers with Young Innovators and Technocrats on shaping ideas into innovations for future careers
- Success stories on translating knowledge and innovation, for creating successful entrepreneurs, mechanism for mentorship, and accelerating young enterprise in the State.

Social Innovations and Enterprises

Transforming Public Delivery System



- Emerging Technologies for building a robust delivery mechanism for Governments in the field of Health, Education, Water Management, Clean technologies, Skill, Digital Payments, Securities
- Leveraging Punjab's Research & Innovation Infrastructure to promote innovations with global implications and building an entrepreneurial and end-to-end innovative ecosystem for social innovations.

KEY TAKEAWAYS

Funding Opportunities



- Getting Funded : Availability of Funds — Research Grants, Early Stage Technology Development Funds, Seed Money, Venture Capital for Innovation & Startups
- Funding Success Stories of Start-ups and Innovators, and how they used the funds to build their businesses.

Networking Sessions

Meet and interact with people from Industry, Academia, Government and Key Speakers.



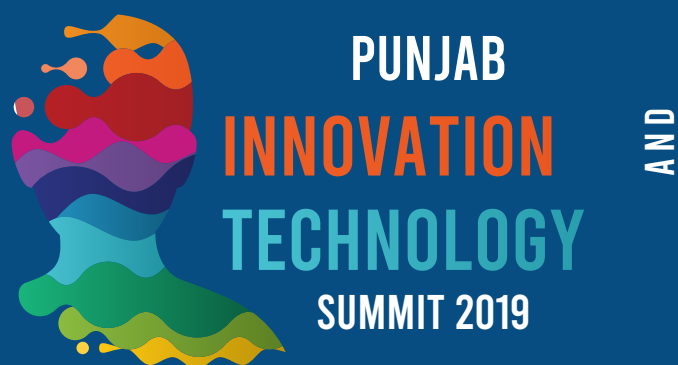
INNOVATION



WHO SHOULD ATTEND

The Punjab Innovation and Technology Summit is destined to witness a wide ranging participation from Academia, Industry, Funding Agencies and the Government and should especially be attended by :

- Vice chancellors, Directors of Research & Technology Organizations and Institutes of Higher and Technical Education
- Policy Makers and Administrators from Central and State Governments
- Multi National Corporations, Small and Medium Businesses, Startups and Entrepreneurs, Innovators and Evangelists
- Innovation and Technology Heads from Industry, Academia and Government Institutions
- Academicians, Faculty Members and Researchers
- Senior Members from Private Equity Firms, Venture Capital & Institutional Funding Agencies
- Scientific Program Managers.



November 5, 2019, Hotel The Lalit, Chandigarh



PUNJAB INNOVATION AND TECHNOLOGY SUMMIT 2019

November 5, 2019, Hotel The Lalit, Chandigarh

Time& Session	Details
09.30 – 10.00	Registration
10.00 – 11.00 Innovation and Academia: Boosting Research & its commercialization	<p>Quality and cutting-edge research is a key booster for technology led innovations, impacting competitive growth and economy of the nations worldwide.</p> <p>The session would reflect on the following key issues:</p> <ul style="list-style-type: none"> (i) How to make our Universities focus on research and innovation and not merely on academic pursuits. (ii) How some universities/ institutions have undertaken innovation driven research and its application in various sectors including successful commercialization. (iii) Provide opportunities to the research institutions, universities and technological institutions to showcase/emphasize on how they have leveraged research capabilities for driving tech based novel solutions, processes and products for social/ economic growth. (iv) Creating Local to Global, Global to Local network of researchers and Innovators. <p>Panel would include Vice Chancellors, Directors and Heads of Research/Technical Institutions.</p>
11.00 – 12.00 Inaugural Session: Leveraging Punjab as Land of Opportunities for Innovations	<p>The inaugural session will showcase Punjab as land of opportunities for Innovations.</p> <p>The session would include</p> <ul style="list-style-type: none"> (i) What is State of Punjab doing to promote research and innovation ecosystem in the State. (ii) How can State bring synergies between Universities and Research Institutions, Industry and Government. (iii) How can Punjab position itself as an emerging destination for research and innovation. (iv) Launch of Mission Innovate Punjab and (v) Launch of Draft State Action Plan for Climate Change <p>The inaugural session will be graced by Hon'ble Chief Minister of Punjab amidst other high profile dignitaries and National & International speakers from Government, Academia, Industry, Innovation and Research Organizations.</p>
12.00 – 12.15	Networking Tea

Time& Session	Details
12.15 – 13.00 Exploring Global opportunities for collaboration and Convergence	<p>The session would focus on opportunities for International collaborations</p> <p>The session would include the following key focus areas:</p> <ul style="list-style-type: none"> (i) Major global actors and stakeholders would reflect upon innovations being undertaken in their respective regions and how these innovations have bearing on the State of Punjab. (ii) the possibilities of collaboration with various Governments and global MNCs in the critical fields like aerospace, robotics, critical infrastructure and disruptive technologies and utilization of Punjab research capabilities for fulfilling various innovative needs. <p>The Panel would include representatives of Foreign Missions, Global MNCs and other experts</p>
13.00 – 14.00	Lunch
14.00 – 14.45 Disruptive Technologies: New Paradigm of Development	<p>The industry plays a critical role in developing and incubating innovative products and services as well as driving market led economies of the region.</p> <p>The session would focus on following key areas:</p> <ul style="list-style-type: none"> (i) Success stories on transformative technologies viz industry 4.0, machine learning, artificial intelligence, internet of things which has helped them in transformation. (ii) How to leverage technology to transform, MSME and AGRI sector of the state as well as advocating technologies in league with Make in Punjab concept, innovative products (iii) Promotion of knowledge based technology driven entrepreneurs. <p>The Panel will include Chief Innovation Officers/ Technology Heads from Industry, MSME industry and other Experts</p>
14.45 – 15.30 Young Innovators & Start-ups	<p>Youth is future of every Nation, there is a need to nurture the mind set and boost the innovative capacity of the young talented pool. Skilled and knowledge intensive human resources are pre-requisite for any innovation economy.</p> <p>This session would provide a platform for the following:</p> <ul style="list-style-type: none"> (i) Young innovators and technocrats to interact with budding start-ups, young researchers to ignite their interest for shaping ideas into innovations for future careers. (ii) Success stories to translate knowledge and innovation for creating successful entrepreneur, mechanism for mentorship for accelerating young enterprise in the State. <p>The Session will have the participation of successful young innovators and startups.</p>

Time& Session	Details
15.30 – 16.15 Social Innovations and Enterprises: Transforming Public Delivery System	<p>Innovations are desired to transform the quality of life of the citizens.</p> <p>This session will focus on the following:</p> <ul style="list-style-type: none"> (I) Emerging technologies which can build a robust delivery mechanism for governments in the field of Social Health, Education, Water Management, Clean technologies, Skill, Digital Payments, Securities etc. (ii) How to leverage Punjab research infrastructure to promote such innovations which have global implications and building entrepreneurial ecosystem for social innovations for truly building an end-to-end innovative ecosystem in the state of Punjab. <p>The panel will include successful entrepreneurs, industry leaders and social innovators.</p>
16.15 – 17.00 Funding Opportunities	<p>The financial support is a critical factor for stimulating the innovation eco-system i.e. converting the idea into products/process, prototype up-scaling, validation and market commercialization.</p> <p>The session will cover following issues:</p> <ul style="list-style-type: none"> (I) Availability of funds viz research grants, early stage technology development funds, seed money, venture capital for innovation and startups (ii) Success stories of startups and innovators, who were able to secure funding to help them grow their ideas <p>This session would bring in the experts from funding organizations (public & private), venture capitalist to highlight the funding schemes/programmes available for promoting technology development and commercialization.</p>
17.00 – 17.45 Recognition & Felicitation Session	<p>A recognition and felicitation program goes a long way to motivate, inspire and promote researchers, innovators and organizations</p> <p>The session will felicitate Research Institutions/Industry/Start-ups for outstanding contributions towards innovation and growth of State.</p>
10.00 – 18.00 EXHIBITION	



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