PUNJAB'S UNIQUE MODEL FOR EASE OF DOING BUSINESS

INVESTMENTS

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Investment Promotion Agency | Unified Regulator | Aftercare Agency

WE COMMIT. WE DELIVER.
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- An Introduction to Industry 4.0
- India Scenario: The Next Global Hub for Industry 4.0
- Punjab’s Readiness for Industry 4.0
- Advantage Punjab
- Investment Opportunities
Industry 4.0 focuses on the modernization of manufacturing processes through integration of advanced technologies and physical production elements. It creates a fully digital value chain by simultaneous use of Communication, IT, Data, Cyber Physical Elements, etc.

Industry 1.0
- Mechanization
- Steam Power
- Weaving Loom

Industry 2.0
- Mass Production
- Assembly Line
- Electrical Engine

Industry 3.0
- Automation
- Computer
- Electronics

Industry 4.0
- Cyber Physical Systems
- Internet of Things

What is Industry 4.0?
- Cloud Computing
- Internet of Things
- Big Data & Analytics
- Additive Manufacturing
- Robotics
- Augmented Reality
- Cybersecurity
- Machine to Machine
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- Computer
- Electronics

Industry 4.0
- Cyber Physical Systems
- Internet of Things

Core Technologies Driving Industry 4.0

Cloud Computing

Internet of Things

Big Data & Analytics

Additive Manufacturing

Robotics

Augmented reality

Cyber security

Machine to Machine
“Manufacturing & strong technology base coupled with skilled manpower will be the main drivers of technological advances through Industry 4.0 leading to greater integration, optimal business solutions, organizational communication and other efficiencies.”

Key Pillars Driving Industry 4.0 Growth

- Reshoring of Manufacturing Operations using automated technologies to drive new manufacturing models such as Smart Manufacturing, Distributed Manufacturing and Servicification of Manufacturing
- Additive manufacturing to drive precision, customization and speed
- Innovative new technologies such as Big Data, IoT, AI/ML, compatible technical products, solutions and services
- Digitization across value chain with high speed connectivity
- Development of new technical competencies and interdisciplinary skills
- Evolving ecosystem with changing human-machine interfaces

India has taken steps to adopt Industry 4.0 application across manufacturing, supply chain, logistics and procurement can enhance operating profits and improve overall efficiency of Indian industry.
Manufacturing & strong technology base coupled with skilled manpower will be the main drivers of technological advances through Industry 4.0 leading to greater integration, optimal business solutions, organizational communication and other efficiencies.

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INDIA SCENARIO:
THE NEXT GLOBAL HUB FOR INDUSTRY 4.0

Skilled Manpower
75% of global digital talent present in the country
Approximately 7,80,000 engineers graduate annually
NASSCOM platform launched to train 2 million technology professionals and additional 2 million potential employees and students
Presence of state run engineering & technology institutes such as IITs, NITs, IIITs, etc. offering industry related courses and degrees

Technology Base
More than 17,000 IT firms
200 IT firms with presence in approximately 80 countries
3rd largest startup ecosystem in the world
Presence of major R&D Centers of companies such as Samsung, Qualcomm, Infosys, etc
GoI and NASSCOM forming Centre of Excellence on IoT
Alfa TKG, a Japanese technology firm, signed a MoU with IIT-Madras to undertake research for developing smart manufacturing technologies

Manufacturing Base
World’s 6th largest manufacturing economy
Emerging hi-tech manufacturing hubs of companies such as GE, Siemens, HTC, Toshiba & Boeing
IISc building India’s 1st smart factory in Bengaluru with seed funding from Boeing
Key sectors include Defence, Automotive, Textiles, Food Processing, Engineering & Electronics
India: Potential to become Global Industry 4.0 Hub

**Manufacturing Base**
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**Expected Market Size**

- **IoT Market Size**
  - USD 15 billion (INR 1.05 lakh crore) by 2020
- **3D Printing annual market growth**
  - 19.6%
- **Smart Devices Market**
  - More than 2 billion devices by 2020

Source: McKinsey Global Institute, PIB, Invest India, IBEF, NASSCOM
Relevant Government Initiatives

2011
1. National Manufacturing Policy
2. Bhart Net
3. Make in India Initiative

2012
6. Smart Cities Programme
5. Digital India Initiative

2013
7. National Digital Communication Policy
8. National Programme on Artificial Intelligence

2016
9. Mission on Cyber Physical Systems

2018
10. IoT Centre of Excellence by NASSCOM, MeITY & ERNET
11. Smart Advanced Manufacturing & Rapid Transformation
Relevant Government Initiatives

- National Manufacturing Policy
- Bharat Net
- Make in India Initiative
- Draft on IoT Policy
- National Programme on Artificial Intelligence
- National Digital Communication Policy
- Smart Cities Programme
- Digital India Initiative
- Mission on Cyber Physical Systems
- IoT Centre of Excellence by NASSCOM, MeITY & ERNET
- Smart Advanced Manufacturing & Rapid Transformation
PUNJAB’S READINESS FOR INDUSTRY 4.0
Adoption of Industry 4.0- A Snapshot

Manufacturing Base

• ITC Ltd is using Industry 4.0 in Packaging & Logistics application
• Over 24 Industries like Nicks Auto, Hero Cycles, Vardhman Steel, Tyson India, Akzo Nobel India & Tynor Orthotics are using automation
• HMEL Bathinda has won the Customer Excellence Award for implementing Robotics Process Automation in 2019

Technology Base

• Excellent infrastructure promoting tech-base for Industry 4.0 present in Mohali such as Quark City, IT City, BESTECH Towers and SPTI etc
• Upcoming new STPI at Amritsar will offer state-of-the-art incubation facility
• Neuron is an initiative to identify and evaluate promising start-ups in the field of AI/Data Analytics, IoT and AVG is hosted in the Startup Punjab Hub at STPI Mohali Incubator
• IIT Ropar providing research services in Industry 4.0 areas in collaboration with NCCU- Taiwan

Skilled Manpower

• Private universities like Chitkara and LPU offering courses on AI/ML, Robotics etc
• Upcoming courses in PSDM on IOT, Cloud and emerging technologies
• NIELIT and IIT, Ropar is providing joint certification training programmes in the field of IT & Electronics
Punjab: A Manufacturing Hub

Asia’s Bicycle Hub

- Accounts for 92% of India’s total production of bicycle parts & 75% of bicycle production
- Home to largest bicycle manufacturers

Leader in Light Engineering

- No. 1 in country in machine & hand tools production
- 85% of India’s sewing machine production
- Hosts India’s second largest forging unit

Agri- Machinery Manufacturing

- India’s Largest Tractor Manufacturing State
- Punjab serves 2/3rd of total OEMs in farm equipment segment

Top Brands in Punjab
Key Industry Clusters
Ready for Adoption of Industry 4.0

Amritsar
- Agri & Food Processing

Kapurthala
- Foundry & General Engg
- Agricultural Implements
- Fasteners
- Electrical Goods

Ferozepur
- Agriculture Implements

Bathinda
- Agri & Food Processing

Fatehgarh Sahib
- Steel Re- Rollers
- Truck Body Building

Jalandhar
- Agricultural Implements
- Surgical Instruments

Hoshiarpur
- Agricultural Implements

Ludhiana
- Auto Components
- Bicycle & Components
- Hand Tools & Machine Tools
- Fasteners

Mohali
- IT/ITeS & Innovation
- ESDM
- Education & Research Institutes
- Automobile
Thriving Technology Base Fostering Growth of Industry 4.0

An ideal combination of skill & talent, robust infrastructure and excellent quality of life makes Punjab the Emerging Technology Hub of India

Neuron: Centre of Excellence at STPI Mohali

Neuron is an initiative, to identify and evaluate promising startups in the field of AI/Data Analytics, IoT and Audio, Visual, Gaming (AVG) that will be hosted in the Startup Punjab Hub at STPI Mohali Incubator

Indo-Taiwan Joint Research Centre

First ever joint Research Centre on Artificial Intelligence and Machine Learning with National Chung Cheng University Taiwan opened up at IIT- Ropar in Punjab.

PRIORITY AREAS
AI | Renewable Energy | IoT | Big Data | Cyber Security | Micro/Nano Tech Biotechnology | Healthcare | Agriculture Sciences
IT/ITES & ESDM Ecosystem in Punjab

Presence of 150+ registered IT units

Approximately 35,000+ IT professionals in the region

India’s only large scale ASIC Fabrication Laboratory in Punjab

World Class IT Infrastructure

- STPI
- IT City
- QUARK City
- BESTECH Towers

Top IT/ITeS Companies
Companies offering Industry 4.0 Solution: Examples from Punjab

Zini

Zini is India’s First Medical Artificial Intelligence released in the form of a Chatbot along with the complete health care application. Zini allows access to the healthcare advice and solutions to people all over the world.

Endoenergy Systems

Endoenergy Systems is a UK-India Collaboration based out of Punjab which provides assistive wearable exoskeletons for the ageing society as a solution to physical degradation due to ageing for both men & women.

Xenon Stack

A product engineering and technology service that provides digital enterprise services and solutions. The services provided are classified using Intelligent Automation embracing the technologies of Agile & AI.
Preparing Workforce for Unleashing Industry 4.0

Upcoming courses under PSDM for Next Generation Technologies

<table>
<thead>
<tr>
<th>Internet of Things</th>
<th>Cloud Computing</th>
<th>Automation</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Hardware Analysis</td>
<td>• Cloud Architecture</td>
<td>• Artificial Intelligence</td>
</tr>
<tr>
<td>• Test Analysis</td>
<td>• Infrastructure Analysis</td>
<td>• Machine Learning</td>
</tr>
<tr>
<td>• Network Specialization</td>
<td>• Migration Analysis</td>
<td>• Industrial Automation</td>
</tr>
<tr>
<td>• Software Analysis</td>
<td>• Security Analysis</td>
<td>• Virtual Technology</td>
</tr>
<tr>
<td>• Solution Architecture</td>
<td>• Application Development</td>
<td>• Augmented Reality</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Institutes</th>
<th>Number</th>
<th>Total Annual Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering</td>
<td>89</td>
<td>45,013</td>
</tr>
<tr>
<td>Polytechnics</td>
<td>204</td>
<td>66,495</td>
</tr>
<tr>
<td>ITIs</td>
<td>344</td>
<td>70,000</td>
</tr>
</tbody>
</table>

R&D Centers

Some Leading Institutions

IIT, Ropar
Thapar Institute of Engineering & Technology
PEC, Chandigarh
PTU, Jalandhar
B.R Ambedkar NIT, Jalandhar
LPU, Jalandhar
Adoption of Industry 4.0:
ISUZU-SML Corporation

ISUZU-SML corporation using Robotic Arm & Automated Assembly line for Vehicle Manufacturing

Robotics Arm at ISUZU-SML

Automated Assembly Line at ISUZU-SML
Adoption of Industry 4.0: M/S Steel Cut & Steel Craft Engineers

Steel Craft India has been manufacturing LHB Coaches using automatic CNC, BMC, 5 Axis Machines and Welding Technologies.
ADVANTAGE PUNJAB

Punjab: Strategically Located & Well Connected

Kolkata

Proximity to National Capital

NEW DELHI

150 Miles
4 Hrs

Bengaluru

Hyderabad

Chennai

Connected to all major metro cities

Connected to Freight Corridor for easy movement

Delhi NCR
Punjab: Strategically Located & Well Connected

Proximity to National Capital
NEW DELHI
150 Miles
4 Hrs
55 Min

Connected to Freight Corridor for easy movement of goods
Connected to all major metro cities
Robust Connectivity

- 100% Road Connectivity
- All Major Towns Connected with 4/6 Lane Highways
- Road Density 2 times higher than National Average
- 2\textsuperscript{nd} highest rail density in India

Direct Flights Available from Amritsar & Mohali:
- Sharjah (4 hrs)
- London (9 hrs)
- Tashkent (2.5 hrs)
- Dubai (4 hrs)
- Birmingham (9 hrs)
- Doha (4.5 hrs)
- Kuala Lumpur (6 hrs)
- Singapore (6 hrs)

4 AIRPORTS
Jalandhar, Ludhiana, Bathinda, Pathankot

AMRITSAR INTERNATIONAL AIRPORT

DOMESTIC AIRPORTS
Jalandhar, Ludhiana, Bathinda, Pathankot

MOHALI INTERNATIONAL AIRPORT

COMING SOON INTERNATIONAL AIRPORT @ Ludhiana

LAND & RAILWAY PORT

Amritsar
- 5 ICDs
  - Amritsar
  - Jalandhar
  - Ludhiana
  - Bathinda
  - Derabassi

New Delhi
- UP

Gujarat
- Maharashtra

AKIC

MULTIMODAL LOGISTICS PARKS,
Ludhiana

- Adani Logistics Ltd.
- Hind Terminal Pvt. Ltd. (Sharaf Group, UAE)
- Punjab Logistics Infrastructure Ltd (PLIL)
Ranked 2\textsuperscript{nd} in Ease of Logistics in India

- 100% Road Connectivity
- All Major Towns Connected with 4/6 Lane Highways
- Road Density 2 times higher than National Average
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AMRITSAR INTERNATIONAL AIRPORT
DOMESTIC AIRPORTS: Jalandhar, Ludhiana, Bathinda, Pathankot
MOHALI INTERNATIONAL AIRPORT
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Direct Flights Available from Amritsar & Mohali

DEDICATED FREIGHT CORRIDORS
[Eastern & Western] (Intersection Point – Dadri)

- Max Speed 46 to 62 Miles/Hr
- Load Capacity Per Train 5300 to 13000 tonnes
- Reduction in Freight Cost By 33%

MULTIMODAL LOGISTICS PARKS, Ludhiana
- Adani Logistics Ltd.
- Hind Terminal Pvt. Ltd. (Sharaf Group, UAE)
- Punjab Logistics Infrastructure Ltd (PLIL)

Land & Railway Port Amritsar

5 ICDs
- Amritsar
- Jalandhar
- Ludhiana
- Bathinda
- Derabassi

Ranked Best in India on Safety & Security of Cargo Movement

Source: LEADS Index 2019, Government of India
## Attractive Fiscal Incentives

Industry 4.0 based manufacturing enterprises are identified as a Thrust Sector

### Fiscal Incentives For Thrust Sector Units

<table>
<thead>
<tr>
<th>Incentive</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net GST reimbursement for 10 years with a cap of 125% of Fixed Capital Investment</td>
<td>100% Exemption from CLU/EDC charges</td>
</tr>
<tr>
<td>100% Exemption from electricity duty for 10 years</td>
<td>100% exemption for 10 years from property tax</td>
</tr>
<tr>
<td>100% reimbursement or exemption from stamp duty on purchase or lease of land buildings</td>
<td></td>
</tr>
</tbody>
</table>

### Additional Fiscal Incentives For ANCHOR UNITS

- Reimbursement of Net GST for 15 years up to 200% of Fixed Capital Investment
- Employment Generation subsidy of up to INR 48,000/ employee/year for 5 years
- 100% Exemption from ED for 15 years

### ANCHOR UNITS

<table>
<thead>
<tr>
<th>Sectors</th>
<th>Minimum FCI (INR in crore)</th>
<th>Minimum Direct Employment Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT/ITES</td>
<td>50</td>
<td>500</td>
</tr>
<tr>
<td>Apparel &amp; Made ups</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Footwear &amp; Accessories</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electronics and Food Processing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any other Manufacturing Sector or Service Sector</td>
<td>200</td>
<td>1000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Ease of Doing Business - Punjab Bureau of Investment Promotion

- Unified Regulator (23 Departments)
- Investment Promotion Agency
- Dedicated Relationship Officer
- Digital Approvals

INVESTMENT PROMOTION

FISCAL INCENTIVE APPROVALS

ONE STOP OFFICE
ADVANCED SINGLE WINDOW SYSTEM
ONE OF ITS KIND IN INDIA

REGULATORY CLEARANCES

INVESTMENT FACILITATION

LEVEL

STATE
DISTRICT

AUTHORITY

CEO, PBIP
DC

UNITS

LARGE
MSME UNITS

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Fiscal Incentives For Thrust Sector Units

Additional Fiscal Incentives For ANCHOR UNITS

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100% reimbursement or exemption from stamp duty on purchase or lease of land buildings for anchor units.
Quality Power at Low Cost

ABUNDANT
Power Surplus

LOW COST
Power @ INR 5.00 per unit

QUALITY
T&D Losses 14.11%
National Average 22%

No shortage even during peak demand

Month-wise power supply 2017-18
(in terms of peak demand and availability)

Peaceful & Competitive Workforce

PEACEFUL
No Lockouts
No Strikes
Flexibility In Hiring

FRIENDLY
Ranks 3rd on Interstate Migrant Policy Index 2019

REFORMS
24x7 Shifts Allowed Across Genders

No disruptions in working environment
Ensuring Quality of Life

Modern Health Infrastructure
- Ranks 2nd on National Health Index
- Home to leading health institutions such as PGI, Fortis, Max, Apollo

Peaceful Environment
- Abundant green spaces around settlements
- Higher air quality than Delhi NCR

Leisure Spaces

Hotels

Hospitals

Schools

Night Life

Weekend Getaways

Shimla - 130 km
Chail - 106 km
Kasauli - 54 km
Parwanoo - 30 km
Safest Place to do Business

Rate of Cognizable Crimes (2017)

Punjab: 239.9
Odisha: 242
Uttar Pradesh: 269.6
Andhra Pradesh: 283.9
Karnataka: 344.3
Rajasthan: 330.7
Chhatisgarh: 478.6
Maharashtra: 602.6
Gujarat: 525
Madhya Pradesh: 478.6
Tamil Nadu: 602.6
Haryana: 802.9

Percentage Share of State for Cognizable Crime in India

Uttar Pradesh: 12%
Maharashtra: 9.3%
Tamil Nadu: 8.4%
Madhya Pradesh: 7.6%
Gujarat: 6.7%
Rajasthan: 4.9%
Bihar: 4.7%
Haryana: 4.5%
West Bengal: 3.9%
Karnataka: 3.7%
Andhra Pradesh: 3%
Telangana: 2.7%
Odisha: 2.1%
Chhatisgarh: 1.8%
Punjab: 1.4%

*Source: As per NCRB 2017*
### Safest Place to do Business

<table>
<thead>
<tr>
<th>State</th>
<th>Percentage Share of State for Cognizable Crime in India</th>
</tr>
</thead>
<tbody>
<tr>
<td>Punjab</td>
<td>1.8</td>
</tr>
<tr>
<td>Odisha</td>
<td>2.1</td>
</tr>
<tr>
<td>Uttar Pradesh</td>
<td>2.7</td>
</tr>
<tr>
<td>Andhra Pradesh</td>
<td>3</td>
</tr>
<tr>
<td>Karnataka</td>
<td>3.7</td>
</tr>
<tr>
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</tr>
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<td>Gujrat</td>
<td>7.6</td>
</tr>
<tr>
<td>Tamil Nadu</td>
<td>8.4</td>
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<tr>
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<td>9.3</td>
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*Source: As per NCRB 2017*

### Recorded Lowest Share of Cognizable Crime amongst major industrialized states of India

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<tr>
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<td>Maharashtra</td>
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</table>

*Source: As per NCRB 2017*
INVESTMENT OPPORTUNITIES

INVESTMENT OPPORTUNITIES FOR PARTNERSHIP IN PUNJAB SMART CITIES

- Integrated Traffic & Transport Management
- Data warehousing, GIS Systems & connectivity infrastructure
- Command and Control Center for city wide management
- Intelligent Solid waste management
- Integrated ICT Support for Public Utilities Management

INVESTMENT POTENTIAL UNDER SMART CITIES

- LUDHIANA
- AMRITSAR
- JALANDHAR

Smart Technology
Smart Energy
Smart Governance
Smart Housing
Smart Infrastructure/Transit
Smart Social Infrastructure

Smart Cities Offering a Wide Landscape to Unleash Industry 4.0
Smart Cities Offering a Wide Landscape to Unleash Industry 4.0

OPPORTUNITIES FOR PARTNERSHIP IN PUNJAB SMART CITIES

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- LUDHIANA
- AMRITSAR
- JALANDHAR

- Smart Technology
- Smart Energy
- Smart Social Infrastructure
- Smart Governance
- Smart Housing
- Smart Infrastructure/Transit
Snapshot of Opportunities in Logistics Sector

Overview of existing Logistics Infrastructure

- **162 warehouses** in 22 districts with storage capacity of **6.3 million metric tonnes**
- **600+ Cold Storage** facilities. storage capacity of **2.2 million metric tonnes**
- **3 Mega Food Parks**
- **3 Logistics Parks**
- **8 Container Freight Stations** and **5 Inland Container Depots**
- **4 Textile Parks**

Opportunities across the Logistics Infrastructure existing in Punjab

- AI based Decision Support Systems for Production & Simulations
- Using Smart Tag Sensor Ecosystem for better monitoring
- Improving warehouse logistics using RFID & robotics for stacking
- Smart Interaction of Vehicle to Load & Vehicle to Vehicle for better tracking
- Enabling IT-enabled Intralogistics Line Feeding to reduce delivery time
Skilling New Age Punjab

Academia Partnerships
- Collaborating with institutions such as IIT, Ropar for workshops & industrial training for Industry 4.0
- Introducing AI & Automation Engineering under Punjab University’s curriculum

Leveraging R&D Centers
- Establish an Industry 4.0 Lab in Central Tool Room (CTR), Ludhiana for developing Next-Generation tools
- Introduce automated testing machinery training & development in R&D Centers for industries like Bicycle Manufacturing, Institute for Auto Parts & Hand Tools Technology (IAHT) and Institute for Machine Tools Technology (IMTT)

Enabling Entrepreneurship
- Support startups in Industry 4.0 space at incubators such as Neuron
- Offer Industry based mentorship in core manufacturing & development areas such as bicycle, automotive, agri-machinery manufacturing

Workforce Readiness
- Establishing industry relevant trainings in collaboration with Punjab Skill Development Mission
- Establishing Centre(s) of Excellence in NIELET on Next Generation Electronics Automation
Advancing Thrust Sectors: Select Opportunities

**HEALTHCARE**
- Introducing Internet of Medical Things for diagnostic services
- Healthcare analytics processing to introduce Personalized Medicine
- Manufacturing health-oriented wearable devices for monitoring

**DAIRY**
- Using Livestock Wearables to monitor health of the cattle
- Using smart technology to check adulteration
- Intelligent storage systems for reducing wastage and increased shelf-life

**AGRO INDUSTRY**
- Real-time yield analysis and precision farming for better productivity
- Using Automated UAVs with fertilizer payloads for better spraying
- Using IT for traceability to ensure food safety

**LIGHT ENGINEERING**
- 3D Printing Technology to manufacture precision parts and save material
- Computer Aided Engineering & Prototype Development
- Product Testing using self-adapting simulator machines

**AUTO INDUSTRY**
- Self Monitoring Capabilities to identify potential maintenance issues
- Smart Manufacturing using Robotics & Automation
- Introducing IT enabled Product Lifecycle Management for better service
- Integrated Global Navigation Satellite System for wider range of mobility

**TEXTILES**
- Introducing Intelligent Manufacturing
- Automation in spinning and weaving
- RFID Technology to store stock and equipment info
Advancing Thrust Sectors: Select Opportunities

DAIRY
- Using to monitor health of the cattle
- Using to check adulteration
- for reducing wastage and increased shelf-life

Livestock Wearables
- smart technology

AGRO INDUSTRY
- and for better productivity
- with fertilizer payloads for better spraying
- Using IT for to ensure food safety
- Real-time yield analysis precision farming
- Using Automated UAVs

LIGHT ENGINEERING
- to manufacture precision parts and save material
- using 3D Printing Technology
- Computer Aided Engineering & Prototype Development
- Product Testing self-adapting simulator machines

AUTO INDUSTRY
- to identify potential maintenance issues
- Smart Manufacturing using
- Introducing IT enabled for better service
- Integrated for wider range of mobility
- Self Monitoring Capabilities
- Product Lifecycle Management
- Global Navigation Satellite System
- Robotics & Automation
- Introducing in spinning and weaving
- to store stock and equipment info
- Intelligent Manufacturing
- Automation
- RFID Technology

TEXTILES
- Introducing for diagnostic services
- Healthcare analytics processing to introduce Manufacturing for monitoring
- Internet of Medical Things
- Personalized Medicine
- health-oriented wearable devices

HEALTHCARE

Investors Voice

Dr. P J Singh
Chief Managing Director

Invest Punjab is one of the few bodies to promote the adoption of revolutionary concept of Industry 4.0 by providing incentives for manufacturing units. I am delighted with the ease of setting up business in Punjab and the support provided by the state government for our endeavors. The Government of Punjab is not only advancing Punjab as an Industry 4.0 friendly state but is propelling India further as a technologically advanced nation.

Sanjiv Singh
Managing Director

The Punjab Government, directly and through its Invest Punjab office is taking many initiatives to promote the concept of Industry 4.0 in the manufacturing industry. The initiatives include holding awareness campaigns and seminars, getting experts to guide the industry and also providing incentives for manufacturing units. The efforts of the Punjab Government, with its investor friendly policies have made the state a preferred investment destination.
PUNJAB: MAJOR COMPANIES ADOPTING CUTTING EDGE TECHNOLOGIES

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