Bio sketch: Yadu Kumar Yadav

I. Personal Information

Name: Yadu Kumar Yadav
Date of Birth: 25/11/1986
Current Position & Domain: Deputy Director, Administration and Advanced Technologies (Industry 4.0, Artificial Intelligence)
Office Location: Headquarters, New Delhi
Languages:

- **English:** Proficient
- **Hindi:** धाराप्रवाह (Fluent)

Contact:

- **Official email:** yk.yadav@npcindia.gov.in
- **Contact details: Landline:** 011-24607371; **Mob:** 9958748893

II. Professional Summary

Yadu Kumar Yadav is a seasoned professional with over 15 years of extensive experience in the domains of strategic consulting, Industry 4.0, Artificial Intelligence, and Administration. He has demonstrated exceptional leadership and technical expertise in driving strategic initiatives, enhancing productivity, and implementing advanced technologies across various Government Departments/PSUs/industry(s). His significant achievements include spearheading high-impact projects, developing innovative solutions, and fostering collaborative partnerships to achieve organizational goals. Yadu's technical depth and strategic vision have been instrumental in driving technological advancements and operational excellence.

III. Areas of Expertise

Primary Domains:

a. Industry 4.0
b. Artificial Intelligence
c. Advanced Technologies
d. Administration and Operations Management

Specialized Skills:

a. Strategic Planning and Execution
b. Project Management
c. Stakeholder Engagement
d. Capacity Building and Training
e. Data Analysis and Visualization

f. Process Optimization
g. Lean Manufacturing
h. Digital Transformation

Industry Focus:

a. Government Sector
b. Public/Private Sector
c. Manufacturing Sector

IV. Professional Experience

Current Position: Deputy Director, Administration and Advanced Technologies (Industry 4.0, Artificial Intelligence)

- **Organisation:** National Productivity Council (NPC), DPIIT, Ministry of Commerce and Industry, Government of India
- **Duration:** 2015- Present

Key Responsibilities:

Working in the Administration Department and Industry 4.0 project (Udyami Bharat 4.0)

A- As Deputy Director (Admin.): All functions of Administration viz. Personnel Management, General Administration, Procurement, Payment, Estate Management etc.

B- As Deputy Director (AI/Industry 4.0)

Core Functions:

1. Project Execution Support

-Manage ongoing sub-projects (e.g., Expert Database on AI/I4.0, Smart Manufacturing Index, Web Portal development).

-Conduct sector-specific Need Assessment Studies and Demonstration Projects to showcase AI/I4.0 benefits.

2.Content Development & Dissemination

-Create e-brochures, pamphlets, and reading materials to propagate Artificial Intelligence (AI) and Industry 4.0 activities.

-Develop customized methodologies for Artificial Intelligence (AI) & Industry 4.0 implementation.

3.Training & Capacity Building

-Organize workshops, webinars, and Training of Trainers (ToT) programs.

-Reskill workers in advanced technologies (IoT, AI, automation).

4.Strategic Coordination

-Collaborate with national/international organizations for program planning, proposal submissions, and grant management.

-Liaise with Indian government bodies (DPIIT, Ministry of Commerce & Industry) for policy alignment.

5.Research & Innovation

-Design SDG-aligned frameworks for sustainability (e.g., circular economy adoption).

-Developed tools BHARAT 4.0-Digital Readiness Assessment Framework to assess the current readiness of an industry w.r.t. Artificial Intelligence and Industry 4.0 adoption.

Key Projects:

1- **LMCS:** As a PMU, coordination and management of activities under the Lean Manufacturing Competitiveness Scheme (LMCS).

2- **Preparation of SOPs for the Security Printing and Minting Corporation of India Limited (SPMCIL):** Preparation of Standard Operating Procedures for key processes in SPMCIL units.

3- **Manpower Assessment Study for Airports Authority of India:** Development of manpower norms for non-executive employees of the Airports Authority of India.

4- **Productivity Improvement at Tata International Limited, FLB Plant:** Method studies and productivity improvements using Value Stream Mapping (VSM).

5- **Development of Bharat 4.0 Digital Readiness Assessment Tool:** Created a comprehensive tool to assess the digital readiness of industries, impacting Industry(s)/MSME(s).

6- **Experience Zone on Industry 4.0:** Coordinated the development of an Interactive Zone showcasing Industry 4.0 technologies.

7- **National Workshop on ESG for Future Ready CPSEs:** Organized national workshops focusing on ESG practices for public enterprises.

8- **IPL Centre for Rural Outreach (ICRO) CSR Project:** Developed and implemented various outreach and capacity development programs for youth and farmers.

9- **Digital Assessment & AI/Industry 4.0 Implementation**

Sectors: Agro-Processing, Fertilizer, Sugar (Demo Units)

- **Phase-I: Digital Readiness Assessment**
  - Evaluate digital maturity of demo units using the indigenous BHARAT 4.0 framework.
  - Identify gaps and recommend transformation strategies.

- **Phase-II: Demo Project Implementation**
  - Deploy AI/I4.0 solutions (e.g., smart sensors, automation) in demo units to enhance competitiveness and sustainability.

10- **Udyami Bharat 4.0 (UB4.0) Adoption Program (2025–2029)**

Vision: Position India as a global leader in smart manufacturing by 2047.

Key Components:
- Operational Efficiency
  - Deploy IoT/AI in 1,000 units across 10 sectors (Automotive, Pharma, Textiles, etc.).
  - Impact: 15–20% productivity gains, reduced downtime.
- Skill Development
  - Reskill 300,000 workers via e-modules and workshops.
- Global Competitiveness
  - Target 12x increase in exports by 2047 through integration into global value chains.
  - Focus clusters: Delhi NCR, Mumbai-Pune, Chennai, Bengaluru, Gujarat.
- Sustainability & Innovation
  - Reduce carbon intensity by >55% by 2047.
  - Promote circular economy practices and green supply chains.
- Expand the BHARAT 4.0 framework to 1,000 manufacturing units.
- Launch a Certified Assessor Program for Industry 4.0 readiness evaluations.
- Establish 100 model factories with free trials of digital solutions to demonstrate proof of concept (PoC).

Previous Position: Principal Consultant (Operations Management) **Organisation:** BTECON Pvt. Ltd.; New Delhi **Duration:** 2012 – 2014
Key Responsibilities:
Worked as Operations Management Executive on various projects, Evaluation studies etc. in areas like manpower assessment, work norms, etc, including working in Energy sector assignments.

Previous Position: Research Associate **Organisation:** National Productivity Council (NPC), DPIIT, Ministry of Commerce and Industry, Government of India, New Delhi

Duration: 2011-2012
Key Responsibilities:
Worked as Operations Management Executive on the projects like Study of Labour Productivity in Food Corporation of India, Manpower Assessment for Grasim Bhiwani Textile Ltd. (Aditya Birla Group) etc.

V. Major Project Experience in NPC

Project Title: Development of Bharat 4.0 Digital Readiness Assessment Tool

- Client Name: Various SMEs and Industries
- Type: Government/Public /Private Sector
- Sector: Manufacturing, Healthcare, Food Processing etc.
- Role: Project Lead
- Duration: 2022 onwards
- Problem Definition: Assessing the digital readiness of industries to implement Industry 4.0 technologies.
- Recommendations Made: Developed a comprehensive assessment tool to evaluate the digital maturity of organizations.
- Impact Created:
    - Quantifiable Results: Successfully assessed over 300 plus companies, providing them with a roadmap for digital transformation.
    - Process Improvements: Enhanced the understanding and adoption of Industry 4.0 technologies among SMEs.
    - Cost Savings: Helped organizations identify areas for cost savings through digitalization.
    - Capacity Building: Trained over 6000 students and professionals on Industry 4.0 concepts.

Project Title: IPL Centre for Rural Outreach (ICRO) CSR Project

- Client Name: Indian Potash Limited (IPL)
- Type: Corporate Social Responsibility (CSR)

- Sector: Agriculture, Youth Development
- Role: Nodal Officer
- Duration: 2021-24

Problem Definition:

The ICRO Project, initiated by NPC for IPL, aims to address critical rural development challenges through various interventions, including rural outreach, capacity building, and promoting sustainability. The project, spanning FY 2021-24, has achieved significant milestones but requires continuation to expand its impact. Key issues include the need for enhanced rural outreach, improved livelihood opportunities, and promoting energy and water efficiency in MSMEs.

Recommendations Made:

1. Continuation and Expansion:
    - The ICRO Project is being continued with innovative projects from FY 2024-25 onwards. The project includes implementation of Industry 4.0 technologies in the Sugar Industry value chain, resulting in optimized resource utilization and enhanced competitiveness.

Impact Created:

2. Enhanced Rural Outreach:
    - Reached out to over 1,01,105 farmers through 1,331 interns, achieving the milestone of 1 lakh farmers in less than two years.
    - Expanded the program to 18 districts, increasing the number of interns and farmers outreached.
3. Improved Livelihood Opportunities:
    - Provided stipends to interns and conducted post-internship livelihood enhancement programs, including offline and online skill development training.
    - Enhanced employability and entrepreneurial skills among rural youth.
4. Promotion of Sustainability in MSMEs:
    - Conducted energy and water audits in MSMEs, leading to reduced consumption and cost savings.

5. Effective Bio-Medical Waste Management:
    - Improved BMWM practices in hospitals, leading to better compliance with regulations and reduced environmental impact.
    - Enhanced awareness and capacity of hospital staff on BMWM practices.
6. Reduced GHG Emissions:
    - Conducted emission audits in agro-processing industries, leading to reduced GHG footprints and improved environmental performance.
    - Equipped industries with knowledge and resources to participate in the Indian Carbon Market.
7. Increased Awareness and Knowledge Sharing:
    - Developed and distributed educational video content on best practices in agriculture and agro processing.
    - Organized national advocacy events and conferences, promoting green economy and sustainability.

Project Title: Productivity Improvement at TIL, FLB Plant

- Client Name: Tata International Limited (TIL)
- Type: Private
- Sector: Leather Manufacturing
- Role: Consultant
- Duration: 2016-17
- Problem Definition:

Tata International Limited (TIL) faced significant productivity challenges at its Finished Leather Business (FLB) plant in Dewas, including:

- **Production Variability**: Daily production fluctuated widely (35,000–170,000 sqft), causing resource underutilization and bottlenecks.
- **Inefficient Processes**: Manual operations (e.g., chemical handling, color matching) led to errors, rework (11% in crust yard), and rejections (2.44% of total output).

- **High Manpower Dependency**: Redundant activities, such as material handling and sorting, required excessive manpower (1,024 workers at median production).
- **Lack of Automation**: Subjective processes (e.g., thickness sorting, defect detection) and poor FIFO compliance increased delays and WIP.
- **Complex Product Portfolio**: Managing 250+ products and growing customer demands strained internal workflows and information systems
- Recommendations Made:
- **Automation & Technology Integration**:
    - Implement PLC-based chemical dispensing systems, spectrophotometers for color matching, and automated thickness sorting (e.g., BlueXpand 300).
    - Introduce conveyor systems in warehouses and ergonomic tools (e.g., hydraulic lifts) to reduce manual labor.
- **Process Optimization**:
    - Adopt Drum-Buffer-Rope (DBR) scheduling for dye house efficiency and line balancing.
    - Redesign layouts (e.g., shaving, crust yards) to minimize material movement and enable single-piece flow.
- **Workforce & Skill Development**:
    - Reduce manpower by 15% (from 1,024 to 865) through multi-skilling, automation, and eliminating non-value-added tasks.
    - Train operators on PFMEA and quality circles to address root causes of rework/rejections.
- **Systemic Improvements**:
    - Enforce FIFO systems, consolidate production planning across Goat, Sheep, and Bovine categories, and standardize SOPs.
    - Implement 5S and visual management for workspace organization.

- Impact Created:

    - **Productivity Gains**: 4.84% labor productivity increase by reducing non-value-added activities.
    - **Cost Savings**: Optimized manpower (159 fewer workers) and reduced material handling time (e.g., 30–60 sec/coat saved via conveyors).
    - **Quality Improvement**: PFMEA workshops in dye house lowered failure rates; automated color matching reduced subjectivity and rework.

- **Operational Efficiency**: Streamlined workflows (e.g., Warehouse Automated Inspection Area) improved throughput and FIFO compliance.
- **Scalability**: Consolidated planning and automation enabled better management of diverse product portfolios and customer demands.

Project Title: Development of Experience Zone on Industry 4.0

- Client Name: National Productivity Council (NPC)
- Type: Government
- Sector: Manufacturing
- Role: Project Lead
- Duration: 2020-22
- Problem Definition: Creating an interactive zone to showcase Industry 4.0 technologies.
- Recommendations Made: Coordinated the development of an Experience Zone with interactive displays and demonstrations of Industry 4.0 technologies.
- Impact Created:
    - Quantifiable Results: Enhanced awareness and understanding of Industry 4.0 technologies among visitors.
    - Process Improvements: Provided a platform for hands-on learning and exploration of Industry 4.0 technologies.
    - Capacity Building: Trained visitors on the applications and benefits of Industry 4.0 technologies.

Project Title: Organizational Study at IIFT

- Client Name: Indian Institute of Foreign Trade (IIFT)
- Type: Government
- Sector: Education
- Role: Strategic Consultant
- Duration: 2021-22

Problem Definition:

The National Productivity Council (NPC) was tasked with conducting an organisational study of the Indian Institute of Foreign Trade (IIFT) to critically evaluate and implement changes in structure, people, processes, technology, governance, and culture. The goal was to align IIFT's organisational design with its strategic vision and ensure it remains competitive at national and international levels. The study covered all non-teaching employees at IIFT's Delhi and Kolkata campuses, aiming to identify the best design to execute work efficiently and align with organisational success.

Recommendations Made:

1. **Manpower Optimisation**:
    - Reduce total manpower from 182 to 170, with a balanced mix of regular and contractual staff.
    - Declare the Stenographer cadre as dying and fulfil PA/PS requirements through contractual/deputation appointments.
    - Abolish standalone posts like Library Information Assistant and Technical Assistant, replacing them with contractual staff.
2. **Structural Changes**:
    - Separate Finance and Administration duties by creating an independent Finance Division headed by a Finance Officer.
    - Establish an Internal Audit function to ensure continuous appraisal and governance.
    - Elevate the Computer Centre to report directly to the Director/VC, recognising IT's critical role.
    - Consolidate Establishment, E&M, and General Administration sections under a Deputy Registrar (Administration).
3. **Specialised Functions**:
    - Create a centralised Marketing Division under DR (Admission & Marketing) to handle all marketing activities in a hybrid mode.
    - Establish an autonomous Office of the Controller of Examinations with a dedicated Assistant Controller of Examination (ACE).

- Form a separate Vigilance Division headed by a Chief Vigilance Officer (CVO) reporting directly to the Director.

4. **Training and Development**:
    - Implement regular training programs in advanced MS-Office, database management, cloud computing, and other relevant skills.
    - Conduct training in communication skills, liaisoning, negotiation, office procedures, and compliance with service regulations and RTI Act, 2005.
    - Introduce a rotational transfer policy to enhance cross-functional exposure and morale.
5. **Technology and Infrastructure**:
    - Adopt Campus Cloud Computing (CCC) to unify departmental communications and improve administrative efficiency.
    - Implement an institute-wide ERP package for real-time monitoring and decision-making.
    - Introduce e-Office for ease of administrative activities and enhanced transparency.
6. **Nomenclature Changes**:
    - Update the nomenclature of non-academic posts to reflect a more professional and modern outlook.

Impact Created:

The recommendations aim to create a more efficient, streamlined, and future-ready organisational structure for IIFT. Key impacts include:

- **Enhanced Operational Efficiency**: Through clarified roles, consolidated divisions, and centralised key functions.
- **Improved Governance**: By establishing an internal audit function and separating finance and administration.
- **Strengthened IT Infrastructure**: Recognising the critical role of IT in modern education and administration.

- **Better Marketing and Outreach**: Leveraging centralised and digital marketing strategies to enhance IIFT's visibility and reach.
- **Skill Development**: Regular training and rotational transfers will enhance employee skills and morale, contributing to a more dynamic and adaptable workforce.
- **Modernised Administrative Practices**: Implementation of CCC, ERP, and e-Office will streamline operations, improve transparency, and provide real-time data for decision-making.

Project Title: Business Revival & Restructuring Plan for CCIC

- Client Name: Central Cottage Industries Corporation (CCIC)
- Type: Government
- Sector: Cottage Industries
- Role: Strategic Consultant
- Duration: 2021-22

Problem Definition

The Central Cottage Industries Corporation (CCIC) of India Ltd., established in 1952, faces significant operational, financial, and strategic challenges that threaten its sustainability and growth. The corporation, which promotes Indian handicrafts, handlooms, artisans, and weavers, has seen a decline in sales and profitability over the past few years, exacerbated by the COVID-19 pandemic. Key issues include:

1. **Financial Performance:**
    - Declining sales and revenue, particularly since FY 2018.
    - Continuous losses due to high employee benefit expenses, administrative costs, and cost of goods sold (COGS).
    - Negative working capital ratios and low inventory turnover, indicating inefficient inventory management.
2. **Operational Inefficiencies:**
    - Outdated IT infrastructure and ERP systems, leading to inefficient data management and lack of real-time visibility.

- Decentralized buying processes, resulting in uneven inventory distribution and lack of standardization.
- Inefficient warehouse operations and logistics, with underutilized space and damaged inventory.
- Poor visual merchandising and store presentation, leading to low footfall and customer engagement.

3. **Marketing and Branding:**
    - Weak online presence and ineffective digital marketing strategies.
    - Lack of a dedicated marketing team and insufficient marketing expenditure.
    - Ineffective use of social media and e-commerce platforms.
4. **Human Resources:**
    - Mid-heavy organization with a high personnel cost (50% of sales) compared to the industry benchmark (13%).
    - Lack of skilled manpower in critical areas such as design, marketing, and exports.
    - Ineffective performance management and training programs.
5. **Retail Management:**
    - Weak online presence and ineffective e-commerce strategies.
    - Lack of structured sales force and inadequate sales training.
    - Old inventory and monotone stores, leading to poor customer experience.
    - Limited discounts and lack of customer data analytics for sales forecasting.

Recommendations Made

1. **Financial Restructuring:**
    - Implement cost-cutting initiatives to reduce employee benefit expenses and administrative costs.
    - Optimize working capital management by improving inventory turnover and reducing inventory holding costs.

- Adopt dynamic pricing strategies to attract customers and liquidate aging inventory.

2. **Operational Improvements:**
    - Upgrade IT infrastructure and ERP systems to enhance data management and real-time visibility.
    - Centralize buying processes to ensure uniformity and standardization of inventory across stores.
    - Improve warehouse operations and logistics by refurbishing or liquidating old inventory and adopting a third-party logistics (3PL) model.
    - Enhance visual merchandising and store presentation to attract customers and improve footfall.
3. **Marketing and Branding:**
    - Develop a comprehensive marketing strategy, including digital marketing, influencer marketing, and print ads.
    - Strengthen online presence through a revamped e-commerce website and effective use of social media platforms.
    - Create a tagline/slogan and consider having a brand ambassador to enhance brand identity.
    - Organize events and exhibitions to build relationships with customers and showcase products.
4. **Human Resources:**
    - Restructure the organization to reduce personnel costs and improve efficiency.
    - Implement a Voluntary Retirement Scheme (VRS) to reduce the workforce and streamline operations.
    - Provide regular training and skill development opportunities to employees.
    - Introduce a performance management system to evaluate and incentivize employee performance.
5. **Retail Management:**

- Strengthen e-commerce presence and collaborate with third-party e-commerce portals.
- Train the sales team on product knowledge and sales pitches.
- Liquidate old inventory and introduce external brands to increase footfall and revenue.
- Implement RFID tags for improved inventory visibility and loss prevention.
- Extend store timings to increase footfall and sales.

Impact Created

1. **Financial Stability:**
    - Reduced operational costs and improved profitability through cost-cutting initiatives and efficient inventory management.
    - Enhanced working capital management, leading to better liquidity and financial stability.
2. **Operational Efficiency:**
    - Improved data management and real-time visibility through upgraded IT infrastructure and ERP systems.
    - Standardized inventory distribution and reduced inventory holding costs through centralized buying processes.
    - Enhanced warehouse operations and logistics, leading to better inventory management and reduced losses.
    - Improved store presentation and customer engagement through enhanced visual merchandising.
3. **Marketing and Branding:**
    - Increased brand awareness and customer engagement through comprehensive marketing strategies and effective use of digital platforms.
    - Enhanced brand identity and customer loyalty through events, exhibitions, and loyalty programs.
4. **Human Resources:**

- Reduced personnel costs and improved organizational efficiency through restructuring and VRS.
- Enhanced employee performance and skill development through regular training and performance management.

5. **Retail Management:**
    - Increased sales and customer engagement through strengthened e-commerce presence and effective sales strategies.
    - Improved inventory management and loss prevention through the implementation of RFID tags.
    - Enhanced customer experience and increased footfall through extended store timings and improved store presentation.

Project Title: Preparation of SOPs for SPMCIL

- Client Name: Security Printing and Minting Corporation of India Limited (SPMCIL)
- Type: Government
- Sector: Security Printing
- Role: Strategic Consultant
- Duration: 2015-16
- Problem Definition: Standardizing key processes to enhance efficiency and quality.
- Recommendations Made: Developed Standard Operating Procedures (SOPs) for key processes in SPMCIL units.
- Impact Created:
    - Quantifiable Results: Improved process efficiency and quality control in SPMCIL units.
    - Process Improvements: Standardized operations leading to consistent performance.
    - Capacity Building: Trained employees on the new SOPs and their implementation.

Project Title: Implementation of Manufacturing Excellence/Lean Manufacturing Tools

- Client Name: Tirupati Balaji Fibers, Muzaffarnagar
- Type: Private
- Sector: Pulp and Paper Mills
- Role: Project Lead
- Duration: 2021-22
- Problem Definition: Enhancing productivity and efficiency in pulp and paper mills.
- Recommendations Made: Implemented comprehensive lean manufacturing tools and conducted training sessions for employees.
- Impact Created:
    - Quantifiable Results: Achieved significant improvements in production efficiency and cost savings.
    - Process Improvements: Streamlined manufacturing processes and reduced waste.
    - Capacity Building: Trained employees on lean manufacturing techniques and best practices.

Project Title: Manpower Assessment Study for AAI

- Client Name: Airports Authority of India (AAI)
- Type: Government
- Sector: Aviation
- Role: Strategic Consultant
- Duration: 2016-17
- Problem Definition: Optimizing manpower requirements for non-executive employees.
- Recommendations Made: Developed manpower norms and suggested optimal manpower requirements.
- Impact Created:

- Quantifiable Results: Achieved cost savings through optimized manpower allocation.
- Process Improvements: Enhanced efficiency in manpower management.
- Capacity Building: Trained AAI staff on manpower planning and optimization techniques.

Project Title: Development of Toolkit & Promotional Materials on Industry 4.0

- Client Name: National Productivity Council (NPC)
- Type: Government
- Sector: Manufacturing
- Role: Project Lead
- Duration: 2022-24
- Problem Definition: Creating educational and promotional materials to enhance understanding of Industry 4.0.
- Recommendations Made: Developed a series of e-learning modules and promotional materials to educate stakeholders on Industry 4.0.
- Impact Created:
  - Quantifiable Results: Enhanced awareness and understanding of Industry 4.0 technologies among stakeholders.
  - Process Improvements: Provided comprehensive educational resources for learning and implementation of Industry 4.0 technologies.
  - Capacity Building: Trained over 2500 participants through webinars and e-learning modules.

Project Title: Demonstration Project on IT for Industry 4.0

- Client Name: Various SMEs
- Type: Government
- Sector: Manufacturing
- Role: Project Lead

- Duration: 2024-2025
- Problem Definition: Implementing Industry 4.0 technologies in SMEs to enhance productivity and efficiency.
- Recommendations Made: Conducted demonstration projects to implement Industry 4.0 technologies in select SMEs.
- Impact Created:
    - Quantifiable Results: Achieved significant improvements in productivity and efficiency in participating SMEs.
    - Process Improvements: Enhanced the adoption of Industry 4.0 technologies among SMEs.
    - Capacity Building: Provided hands-on training and support to SMEs for implementing Industry 4.0 technologies.

VI. Educational Background

1. Degree: Master of Business Administration (MBA)

- ❖ Institution: Bharati Vidyapeeth, Deemed to be University, Pune
- ❖ Type: Full Time
- ❖ Year: 2021-2023
- ❖ Specialization: Operations Management and Information Technology

2. Degree: Postgraduate in Industrial Engineering (IE)

- ❖ Institution: Dr. Ambedkar Institute of Productivity (AIP), Chennai, under DPIIT, Ministry of Commerce & Industry, Govt. of India
- ❖ Type: Full Time
- ❖ Year: 2009-2010
- ❖ Specialization: Industrial Engineering and Management

3. Degree: B. Tech

- ❖ Institution: Jaypee University of Information Technology, Solan, Himachal Pradesh

- ❖ Type: Full Time
- ❖ Year: 2004-2008
- ❖ Specialization: Computer Science

- **Additional Professional Qualifications:**

  - **Certifications:**

    - ❖ Certified Professional with Distinction in Project Management (CIPM®)
    - ❖ Enterprise Design Thinking Practitioner from IBM.
    - ❖ Trained on Industry 4.0 by Robert Bosch Ltd.
    - ❖ APO certified on Smart Industrial Applications in SMEs in Taipei, Taiwan.
    - ❖ APO certified on Orange, open-source data visualization, machine learning an data mining software
    - ❖ Trained in the latest Smart Manufacturing Technologies at Seoul, Republic of Korea(ROK)

  - **IT Tools & Proficiency Level**

    - ❖ Proficient in MS Office, Data Analysis Tools (e.g., Python), Project Management Software (e.g., MS Project)

VII. Research and Publications

- ❖ Handbook of Digital Readiness Assessment Methodology Framework published by APO.
- ❖ Digital Innovation Process Guide published by APO.
- ❖ Assessment of Smart Manufacturing in APO Member Countries published by APO.
- ❖ The AI Revolution in Manufacturing: India's Path to Industrial Leadership published by Delhi Productivity Council.

Speaking Engagements:

- ❖ Expert Trainer for Seminar on Applications of VR/AR in MSMEs Readiness by PHD Chamber of Commerce and Industry
- ❖ Expert Trainer for Seminar on Industry 4.0 by PHD Chamber of Commerce and Industry
- ❖ Expert Trainer on the international webinar series on Industry 4.0 organized by The Development Academy of the Philippines (DAP), Govt of Philippines
- ❖ Thought Leader in AI/Industry 4.0 at various national/international conferences.

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that I shall be responsible for any willful mistake described herein.

Date: 15-02-2025

Place: Delhi

Yadu Kumar Yadav

Profile Update History

Last Updated: 15-2-25
Next Review Due: 15-8-25