



॥वसुधैव कुटुम्बकम्॥



THE INDIAN SOCIETY OF LABOUR ECONOMICS ANNUAL CONFERENCE

19-21 January 2026 | Symbiosis School of Economics, Symbiosis International (Deemed) University, Pune, India

BOOK OF ABSTRACTS

Organised by

The Indian Society of
Labour Economics

Symbiosis School of Economics
Symbiosis International (Deemed) University, Pune





॥ वसुधैव कुटुम्बकम् ॥



THE INDIAN SOCIETY OF LABOUR ECONOMICS ANNUAL CONFERENCE

19-21 January 2026 | Symbiosis School of Economics, Symbiosis International (Deemed) University, Pune, India

Abstracts of Conference Papers

Conference Themes

Technology, Innovations and Employment



Education, Employment and Labour Markets



Rural Transformation and Workforce Dynamics

Organised by

**The Indian Society of
Labour Economics**

Symbiosis School of Economics
Symbiosis International (Deemed) University
Pune

Deepika Chadha
Copy Editor

M.S. Arzoo
Designer

© Copyright 2026, Indian Society of Labour Economics

ISBN : 978-81-88315-94-9

Published by

Indian Society of Labour Economics

C/o Institute for Human Development

256, 2nd Floor, Okhla Industrial Estate, Phase III,
New Delhi-110020, India

Phone: 011-41064679; Mobile: +91-9871177540

Email: mail@isleijle.org | Website: www.isleijle.org

Printed at
Print-ways, New Delhi

Mapping the Gender Digital Divide in India: Issues and Opportunities
Devangana Jha and Gautam Kumar Jha

Labour Market Impact of Artificial Intelligence in Data Science: Evidences in the Global Context
Perini Praveena Sri

Digital Transformation and Workforce Productivity: The Role of ICT in Enhancing Labour Productivity
M Rahul, Srishti Gupta, Sourashree Mukherjee and Shreya Nupur

Trade Orientation and Wage Premiums in India's Manufacturing Sector: Evidence from Blinder-Oaxaca Decomposition
Isha Gangwani

Technological Progress and Unemployment in India: Disentangling the Effects of Foreign Direct Investment Inflows and Total Factor Productivity using Autoregressive Distributed Lag Estimation
Seema Joshi and Sachin Gupta

Technical Session 1.5

34

Construction Worker Validation: Challenges and Innovations
Harshil Sharma and Umang Kamra

Challenges of Artificial Intelligence Implementation in the E-Commerce Sector in India
Rajesh Kanna Raji

Gig Work and the Social Protection Deficit: Lessons from Central and State-Level Initiatives in India
Akhil Alha

An Alternative Measure of Agglomeration and Location Choice in India's Textile Industry: A Spatial Econometric Perspective
Debarati Pal and Panchanan Das

Click, Deliver, Thrive? Exploring the Psychological Well-being of Gig Workers in India
Neenu Rachal Philip and Santhosh Kumar P. K

Macroeconomic Impact of Adoption of New Technologies on Indian Economy: An Analysis Using CGE Modelling Framework
Akhilesh Kumar Sharma

How do Difficulties in Access to Finance and Business Environment Affect Input Misallocation and Total Factor Productivity of Small and Medium Enterprises (SMEs) in India?
Bhanu Pratap Singh

Decent Work Assessment for Digital Platform Gig Workers
Aparna Samudra

Challenges of Artificial Intelligence Implementation in the E-Commerce Sector in India

Rajesh Kanna Raji Assistant Professor, Vels University, Chennai, Tamil Nadu

The accomplishment of artificial intelligence (AI) in the e-commerce sector presents common challenges that administrations must direct to maximise the effectiveness of AI aids. This paper observes critical challenges faced by e-commerce businesses in implementing AI and its influence on their processes. The challenges include data privacy and safety concerns, the need for skilled flair, grouping with surviving systems, moral thoughts, and customer approval. Addressing these challenges is critical for establishments to influence AI resourcefully, progress customer capabilities, advance operative skill, and gain a reasonable edge in the e-commerce market.

Artificial intelligence needs a lot of data, which raises questions about how this data is gathered, stored, and protected. Implementation of AI necessitates specialised skills that may be lacking in many organisations, highlighting the significance of acquiring or developing these individuals. There are a lot of e-commerce businesses that use old systems that might not work with new AI technologies, making it hard to integrate them. Ethical guidelines and transparent systems are needed because AI can sometimes produce biased or discriminatory outcomes. For businesses to fully utilise AI's potential, it is essential to successfully overcome these obstacles. It may result in enhanced customer experiences, increased operational efficacy, and a stronger market position of competitiveness.

Without going into specifics, the abstract serves as a snapshot of the paper, providing readers with a brief overview of the study's purpose, scope, and significance. It paves the way for a more in-depth examination of each problem and its potential solutions throughout the entire paper.

The focus of this paper is to emphasise on comprehending the difficulties of implementing AI in the e-commerce sector. It suggests that maximising AI's benefits requires identifying and addressing these obstacles. Artificial intelligence systems are responsible and apparent. Research indicates that age-related differences have a substantial impact on how AI is perceived and accepted in the e-commerce industry. Younger employees may require additional support and training to overcome their professed challenges with AI technologies. Experts in the mid-career stage (26-35 years) can play an essential role in encouraging the approval of AI, while the anxieties of younger employees must be lectured. Elder employees (36-45 years and 45+) tend to identify the deliberate value of AI more than their younger equivalents. E-commerce businesses should accentuate the long-term assistances and implication of AI to younger workers in order to nurture a structured and forward-thinking organisational culture. By addressing these challenges through battered preparation, communiqué, and sustenance, e-commerce businesses can enhance the successful execution and getting of AI technologies across all age groups, eventually motivating invention and reasonable benefit in the sector.

The Indian Society of Labour Economics

The Indian Society of Labour Economics (ISLE) is a professional association of researchers, scholars and other stakeholders interested in the area of labour, employment and development issues. The Society promotes scientific studies of labour markets, employment, employment relations and related issues and disseminates knowledge. It publishes a quarterly, peer-reviewed journal The Indian Journal of Labour Economics (IJLE), which is now in its 69th year of publication. Promoting and featuring scientific studies on labour and employment issues, the journal is co-published with Springer. More information on the journal is available on <http://www.springer.com/economics/journal/41027>



THE INDIAN SOCIETY OF LABOUR ECONOMICS

C/o Institute for Human Development

256, 2nd Floor, Okhla Industrial Estate, Phase-III, New Delhi-110020, India

Phone: 011-41064679; Mobile: +91-9871177540

Email: mail@isleijle.org; Website: www.isleijle.org