

# A Study on Gig Economy: Work Classification in Bengaluru, India

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**Abstract:** *The gig economy represents a great dynamic change in labor and hence is reshaping the global labor market into the one influenced by technological advancement as well as changes in preferences concerning employment. Gig-economy contracts are distinguished by flexible, short-term arrangements characterized by freelancers, on-call works, and people contracted through digital platforms. Indeed, since 2021, COVID-19 to date has been accompanied by drastic changes and acceleration in the ongoing digital transformation process and has continued to offer both opportunities and challenges to workers, employers, and policymakers alike. The present review synthesizes available research concerning the gig economy, encapsulating key trends such as algorithmic management, platform dependency, and redefined work. It reveals critical challenges such as precarious employment conditions, limited access to social protections, and the widening digital divide. It also addresses legislative responses and labor classification debates across jurisdictions. In particular, it focuses on emerging forms of labor resistance and digital activism of gig type workers. It shows underexplored areas in the current literature, such as the experiences of marginalised groups, the ethical implications of algorithmic decision making, and the inclusive and sustainability requirements of labour models. The paper builds up a comprehensive understanding of the multifaceted impacts of the gig economy through the integration of findings from recent studies and suggests possible directions for future research. These include areas such as cooperative platform models, fair algorithmic governance implementation, and designing inclusive policies to ensure equitable possibilities for all workers. Overall, the gig economy is a very dynamic and evolving labor landscape that brings forth complex emerging challenges and requires inter-disciplinary approaches and adaptive policy interventions in addressing emerging socio-economic and technological challenges.*

**Keywords:** Time Series, Forecasting, Financial Data, Model Selection, and Performance Evaluation

