

# Country Factsheet India

Pearson Skills Outlook



## What is the likely impact of Gen AI on you and your workforce?

[New research from Pearson](#) shows generative AI will have a greater impact on **white collar roles** than **blue collar roles** over the next 10 years. Blue collar roles - especially ones with more creative, manual and collaborative tasks - are at **less risk** from the changes the rise of this technology will bring.

At Pearson, we believe that generative AI can have a **positive impact** on how people understand and prepare for the changing world of work. One of the best ways for employers and employees to adapt, improve **productivity** and stay **relevant** is to help predict the skills that people will need for the future.

## Why the Difference?

Many white collar roles contain **repetitive tasks** - such as scheduling appointments or answering and directing calls - that can be easily replicated by generative AI. We've found that, in India, around 30% or more of the time spent on tasks involved in the working week of some white collar roles could be done by generative AI.

The white collar roles that are least impacted in this market tend to be the ones involving tasks related to **mathematics** - like engineers. Generative AI is notoriously **inaccurate** at mathematical computations, making those jobs a little more resilient for the time being.

On the flip side, many blue collar roles, such as mechanics, or construction workers, include **manual labour or customer service** elements that can't easily be replicated by generative AI. In many cases, we found that **less than 1%** of the time spent on tasks involved in a blue collar worker's work week could be done by generative AI.

## What Can We Do Next?

Generative AI is a quickly evolving area of technology. Employees and employers in white collar sectors need to act faster to adapt than those in blue collar roles - looking at how to upskill and reskill, as well as how jobs can evolve, to ride the wave of change.



White collar workers should be thinking about upskilling and evolution - enhancing soft skills like creativity, communication and leadership, that can't be easily replicated by generative AI.



Workers should also be learning about how to use generative AI to become more efficient at repetitive tasks, so they can improve productivity by spending more time on high value activities.



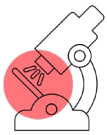
Employers and employees should also be looking at how they can use the best of AI and the best of human skills together. For example, use AI to automate repetitive tasks and focus employees on STEM tasks and tasks that involve uniquely human qualities.

## Key Findings from India:

There is a difference of 29% between the task level impact of the most impacted white and blue collar jobs in India.



The 5 least impacted blue collar jobs have no impacted tasks, while the least impacted white collar jobs all have around 10% or more of their job impacted at a task level.



### White Collar Jobs

Most Impacted  
*(by % of a role's hours, at a task level)*

**46%** Accounting and Book Keeping Clerks

**40%** Word Processor and Related Operators

**38%** Administrative Secretaries and Related Associate Professionals

**30%** Stall and Market Salespersons

**28%** Accountants

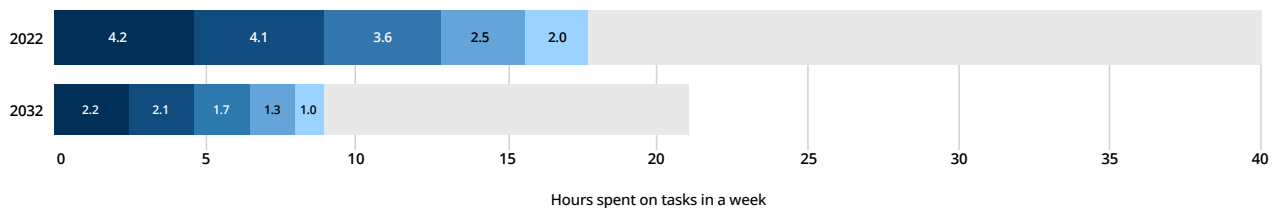
### Least Impacted

*(by % of a role's hours, at a task level)*

- Working Proprietors, Directors and Executives in Transport and Communication (10%)
- Working Proprietors and Directors, Lodging and Catering Services (10%)
- Sales and Marketing Managers (10%)
- Working Proprietors and Directors, Manufacturing, Wholesale & Retail (10%)
- Lawyers (10%)

## Gen AI Impact On Tasks (per 40 hour week):

Most impacted white collar role in India:  
Accounting and Book Keeping Clerks



- Operate 10-key calculators, typewriters, and copy machines to perform calculations and produce documents
- Operate computers programmed with accounting software to record, store and analyze information
- Perform general office duties, such as filling, answering telephones, and handling routine correspondence
- Check figures, postings, and documents for correct entry, mathematical accuracy, and proper codes
- Compare computer printouts to manually maintained journals to determine if they match
- Other job tasks



## Blue Collar Jobs

Most Impacted

(by % of a role's hours, at a task level)

17%

### Weavers, Knitters and Related Workers

17%

Basketry Weavers, Brush Makers and Related Workers

16%

Weaving and Knitting Machine Operators

15%

Waiters and Bartenders

15%

Bakers, Pastry Cooks and Confectionery Makers

### Least Impacted

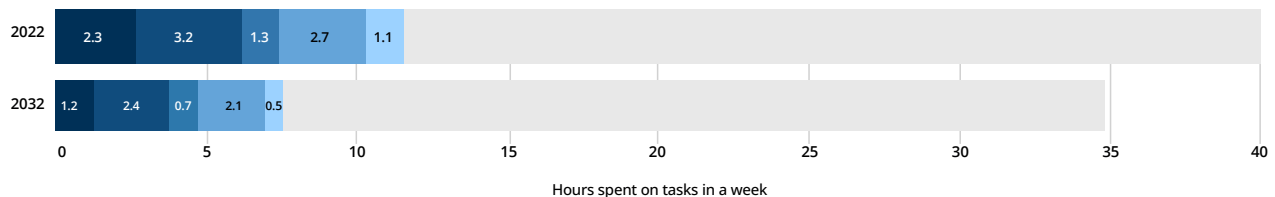
(by % of a role's hours, at a task level)

- Bricklayer and Stone Masons (0%)
- Construction and Maintenance Labourers, Roads, Dams and Similar Constructions (0%)
- Hand Launderers and Pressers (0%)
- Sewers, Embroiderers and Related Workers (0%)
- Varnishers and Related Painters (0%)

## Gen AI Impact On Tasks (per 40 hour week):

Most impacted blue collar role in India:

Weavers, Knitters and Related Workers



- Record information about work completed and machine settings
- Observe woven cloth to detect weaving defects
- Program electronic equipment
- Examine looms to determine causes of loom stoppage, such as warp filling, harness breaks, or mechanical defects
- Confer with co-workers to obtain information about orders, processes, or problems
- Other job tasks

## How Pearson Helps Employers

The world of work is changing fast. Pearson helps organizations understand, retain and enhance their most vital asset - their people.

To learn more about using real-time data to analyse and future-proof your workforce, contact us: <https://info.credly.com/pearson-workforce-solutions>

### How Did We Gather The Data?

How did we decide which jobs would be most or least affected? We looked at the specific tasks related to more than 5,000 jobs and how much time is currently spent on each. We then looked at how much of a job's work, by time spent on individual tasks, would be affected by generative AI. This gave us the percentage of time saved due to Generative AI by 2032, per task – and, so, which jobs will be most or least impacted.

