

GOVERNMENT OF INDIA  
MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 2501**  
TO BE ANSWERED ON: 16.03.2018

**LOSS OF JOBS DUE TO AUTOMATION**

**2501. SHRI AHAMED HASSAN:**

Will the Minister of Electronics & Information Technology be pleased to state: -

- (a) whether Government has undertaken measures to study the effect of automation on job-loss in IT sector, if so, the details thereof;
- (b) if not, the reasons therefor; and
- (c) whether Government has prepared an action plan to balance the onset of Artificial Intelligence replacing human jobs, if so, the details thereof?

**ANSWER**

MINISTER OF STATE FOR ELECTRONICS AND INFORMATION TECHNOLOGY  
(SHRI K. J. ALPHONS)

(a): Yes, Sir. The Government has studied the future job perspectives in various sectors including IT. According to a study report “Future of Jobs in India – A 2022 perspective” supported by NASSCOM and FICCI, Voice-based services (call centre agents), Data entry operators, Document processing, System administration, and F&A (accounts payable) are types of jobs likely to be automated. The study further suggests that the workforce in the year 2022 would have about 9% deployed in new jobs that do not exist today, 37% would be deployed in jobs that have radically changed skill sets, and about 54% would fall under unchanged job category.

(b): Does not arise.

(c): Yes, Sir. Due to exponential and disruptive adoption of new technologies by the industry over a period of next 3 to 4 years, the job mix in the IT industry is undergoing a transformative change. The stakeholders covering industry, academia and Sector Skills Councils are working to ensure that the existing workforce is re-skilled/up-skilled in emerging technologies and job roles. To cater to these requirements, a ‘technology enabled Re-Skilling/ Up-Skilling Framework’ for the employees of IT sector has been evolved in consultation with NASSCOM, Industry and Academia, with Government acting as an enabler/ facilitator. Through this initiative Industry and Government have come together to Re-skill/ Up-skill a total of 2 Million employees of IT sector over a period of five years. MeitY has also signed a MoU with NASSCOM to collaborate and strengthen cooperation in the re-skilling and up-skilling of employees in areas of new and emerging technologies.

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