



ARTIFICIAL INTELLIGENCE FOR REMOTE WORKFORCE MANAGEMENT

IEDE Program 2023



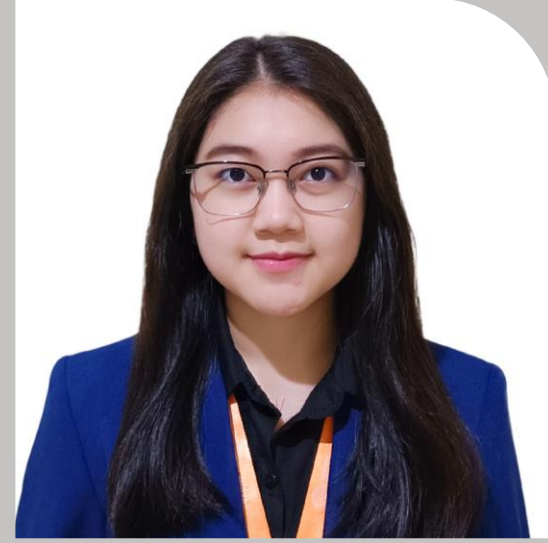
Project Question

How can we advance on Algorithmic Management as a Tool for Augmented AI Systems on Remote Working?

IEDE Program 2023



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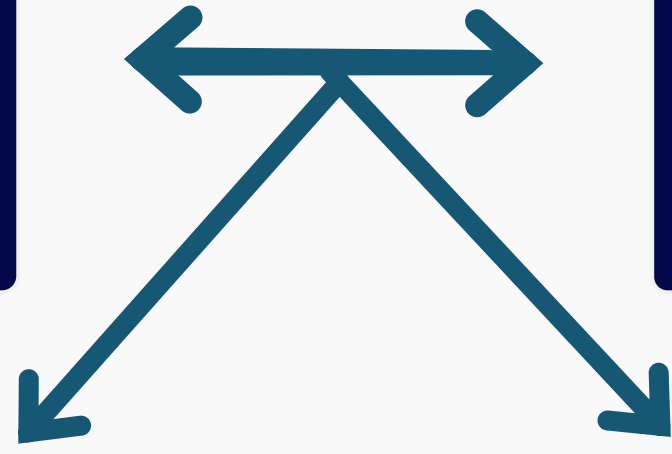
	TEAM MEMBER	INTRODUCTION	LITERATURE REVIEWS	CHALLENGES	OPPORTUNITIES	EMPIRICAL ANALYSIS AND DISCUSSION	SOLUTIONS	CONCLUSION AND RECOMMENDATIONS	FINISHING, EDITING PPT AND PAPER, PLAGIARISM CHECK
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RELATIONSHIP BETWEEN AI & ALGORITHMS



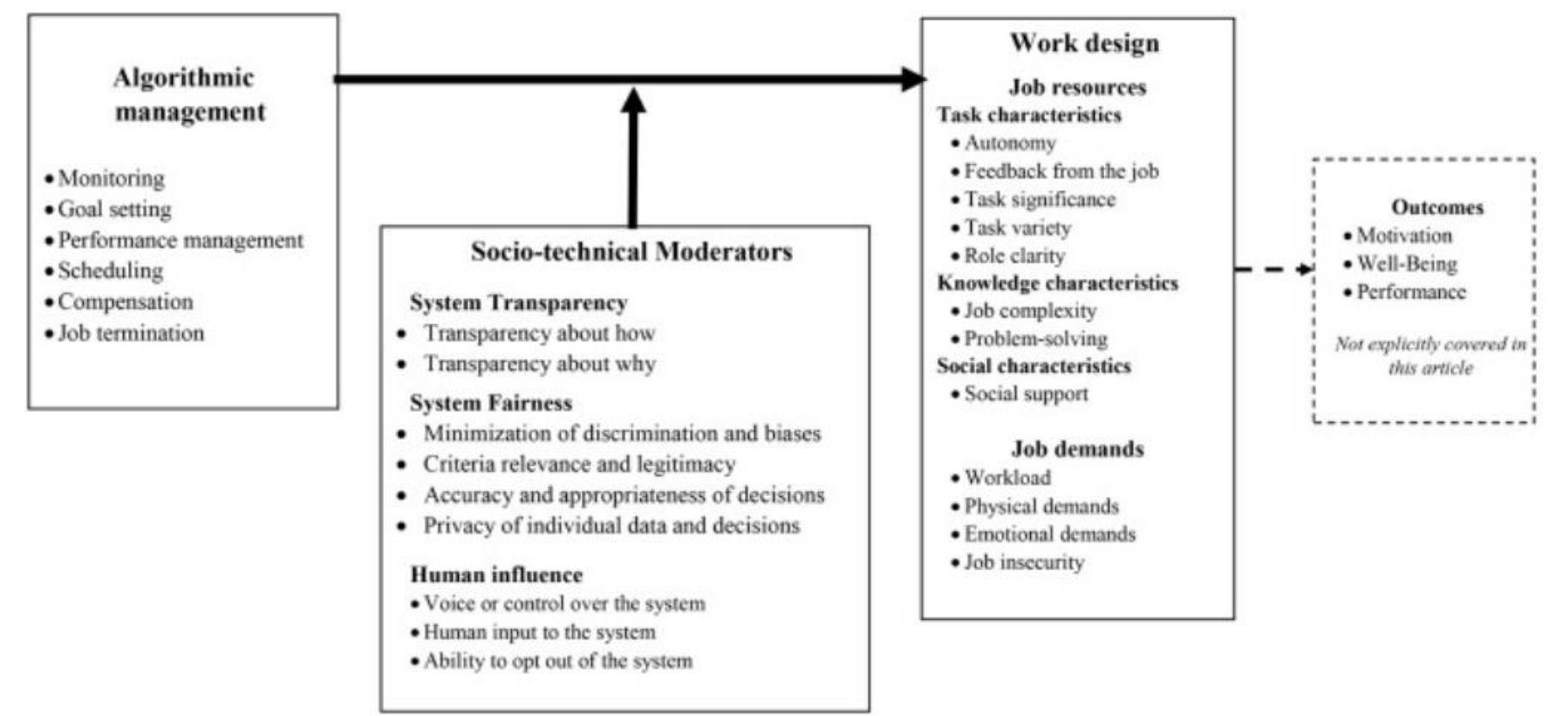
Algorithms
 Algorithmic management: range of technological tools to organize work conditions and manage remote workforces

Artificial Intelligence
 AI: machine ability to replicate or enhance human intellect, including reasoning and learning from experience



(+) Enhance performance, productivity, decision-making, optimize workflows, analyze data,

(-) Bias, employees feels job insecurity and disempowerment



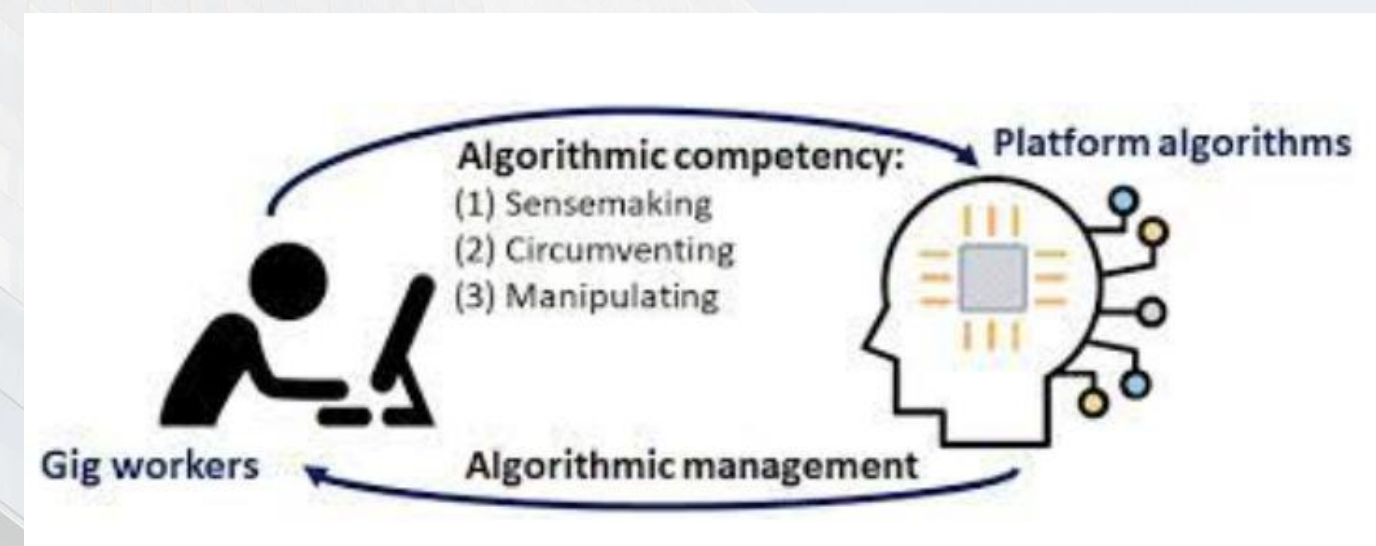
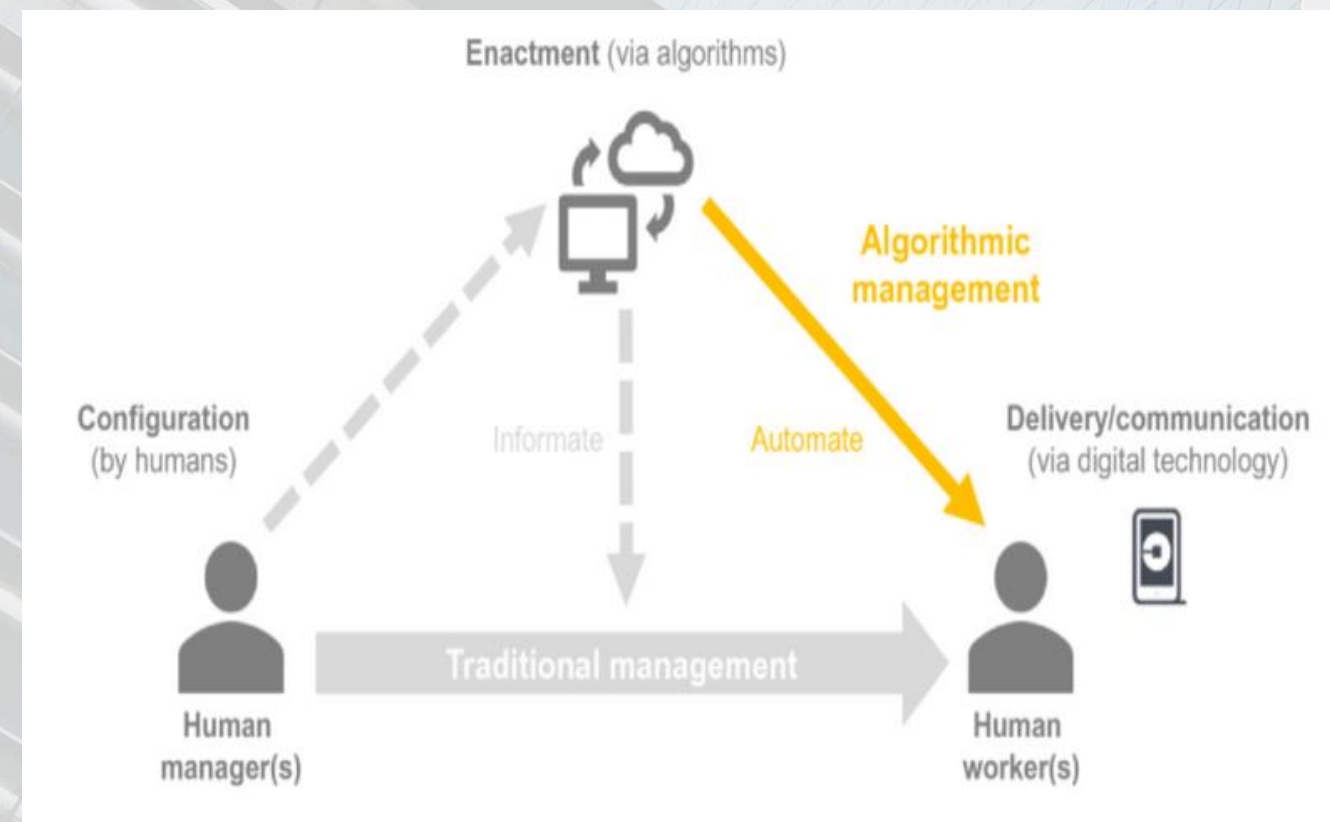
ALGORITHMIC MANAGEMENT CHALLENGES

Communication Challenges

Communication is the greatest challenge within the algorithmic management systems for remote working

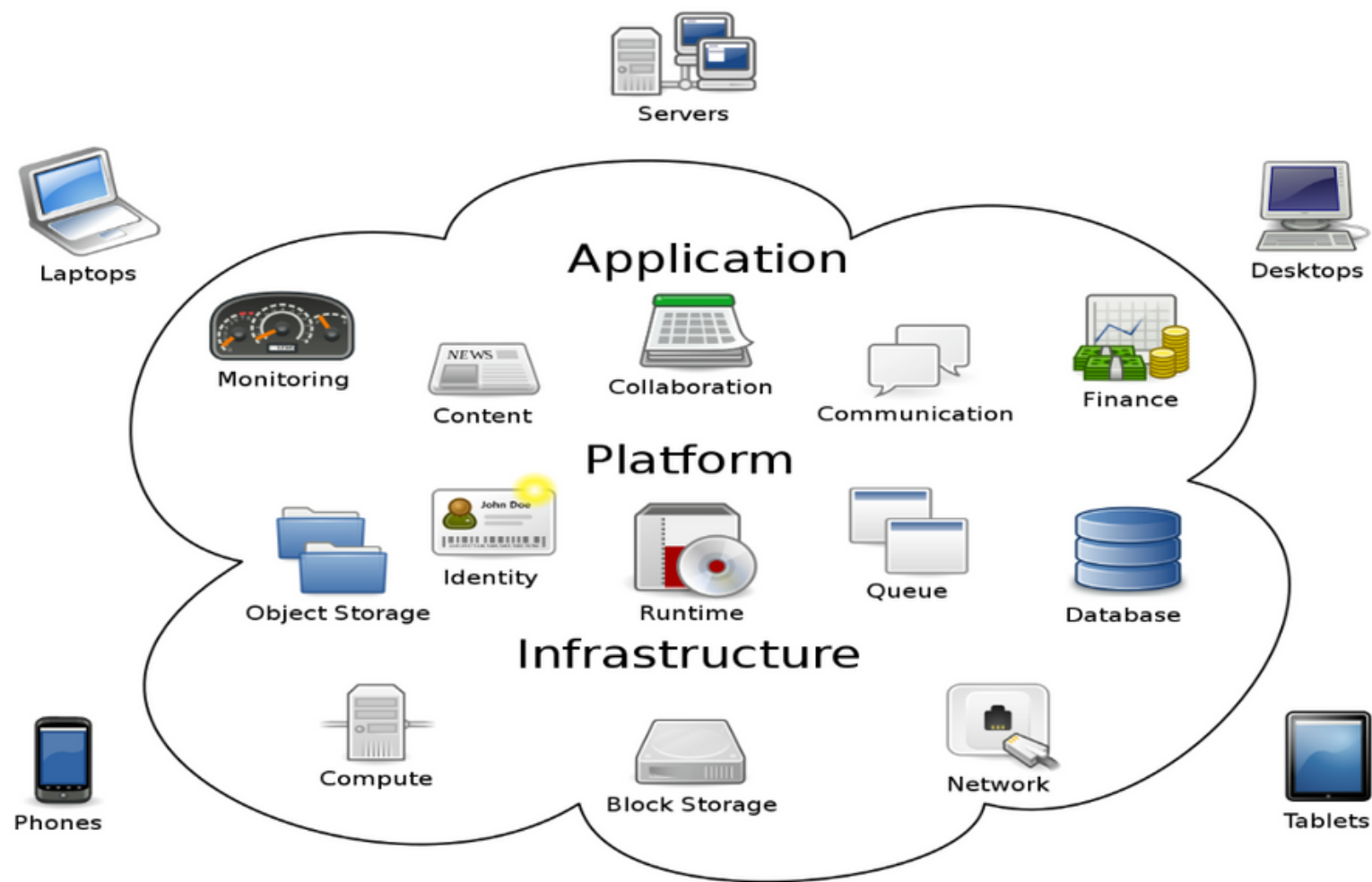
Workers Schedule

Algorithm system does not incorporate workers' personal schedule, passion, aspiration.



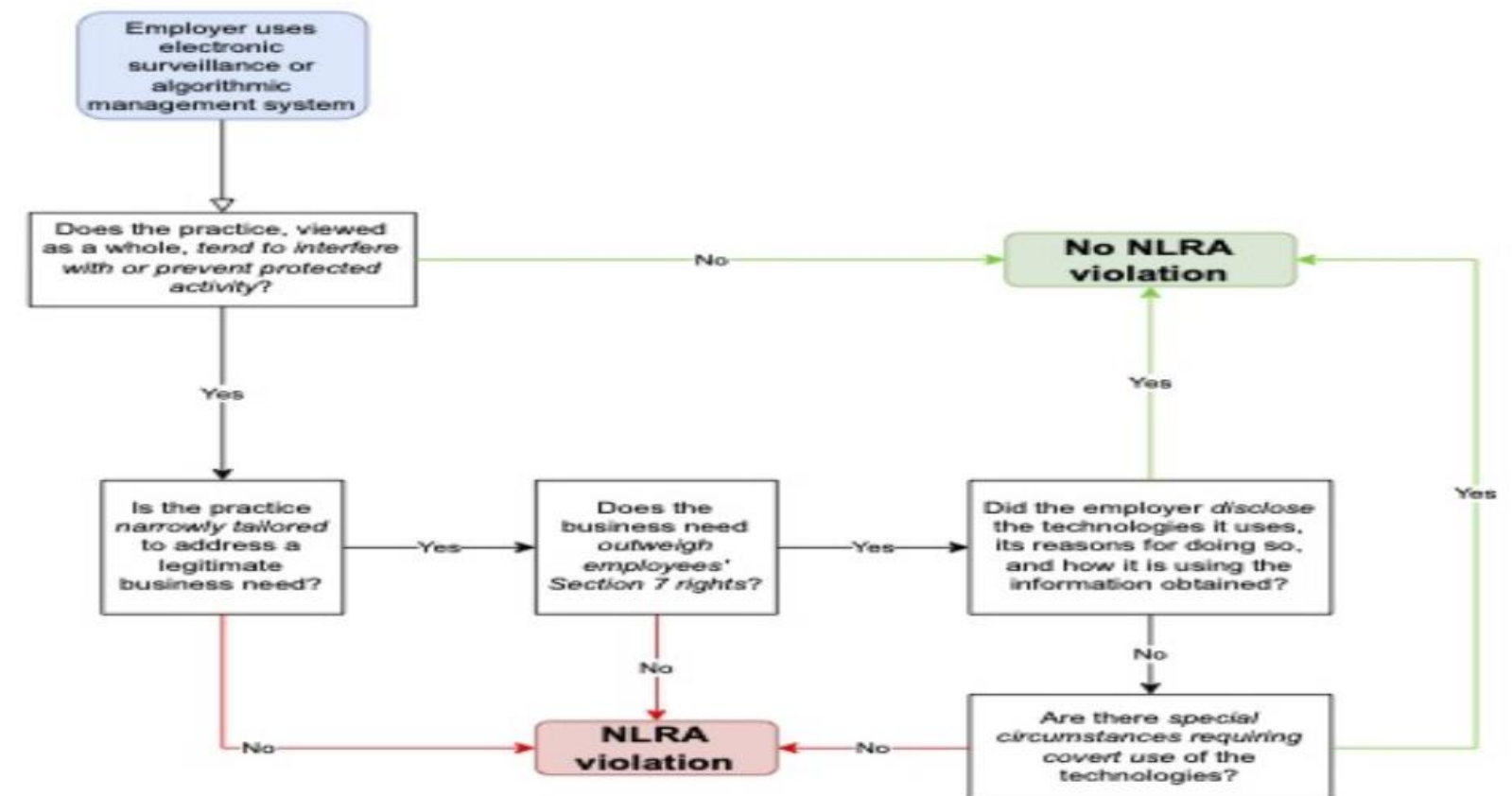
ALGORITHMIC MANAGEMENT CHALLENGES

Grid Computing



Surveillance Challenges

In most scenarios, employees use personal internet networks that is connected to other personal applications and gadgets, e.g. Siri, TVs, which result in more unethical surveillance on employees.



ALGORITHMIC MANAGEMENT OPPORTUNITIES

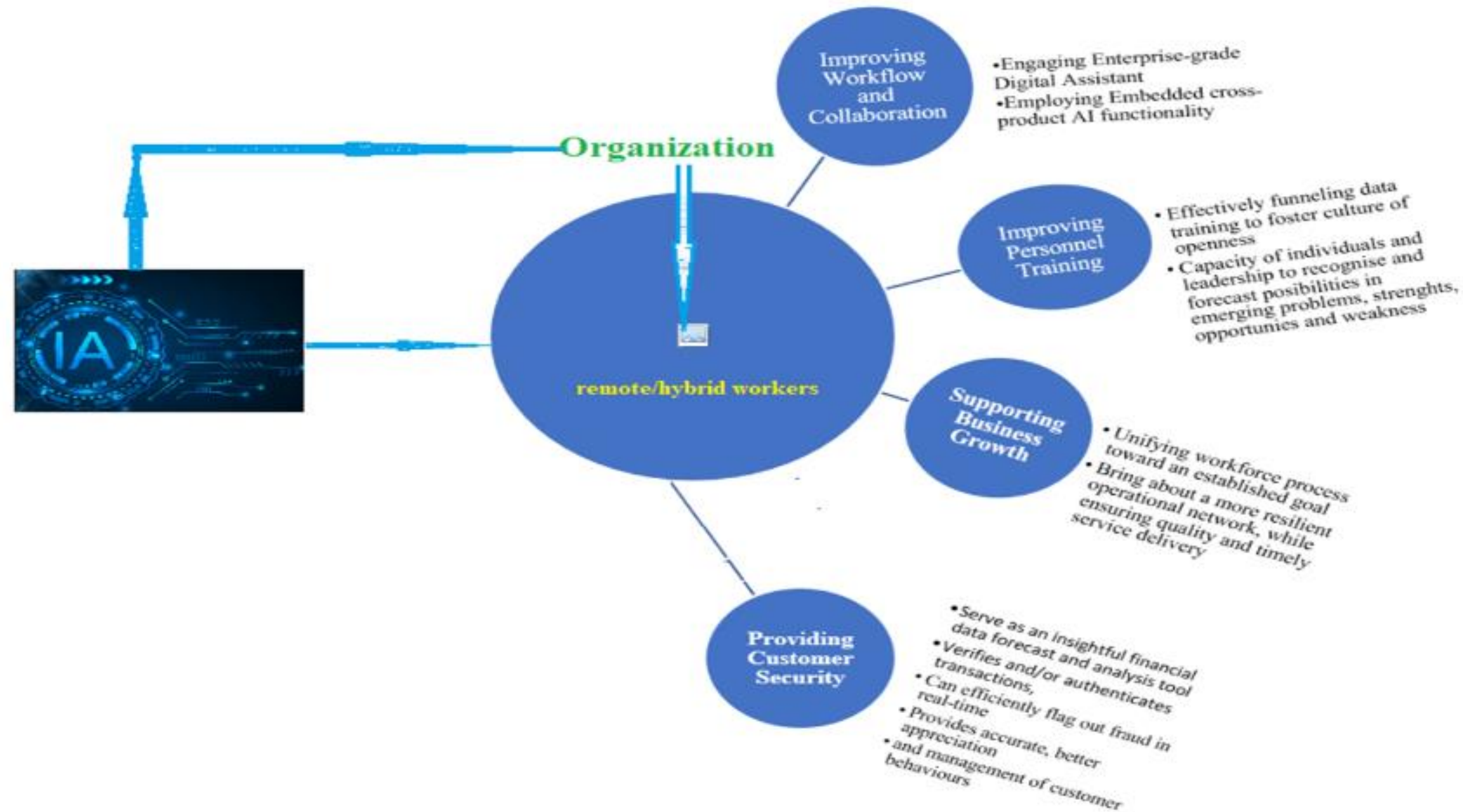
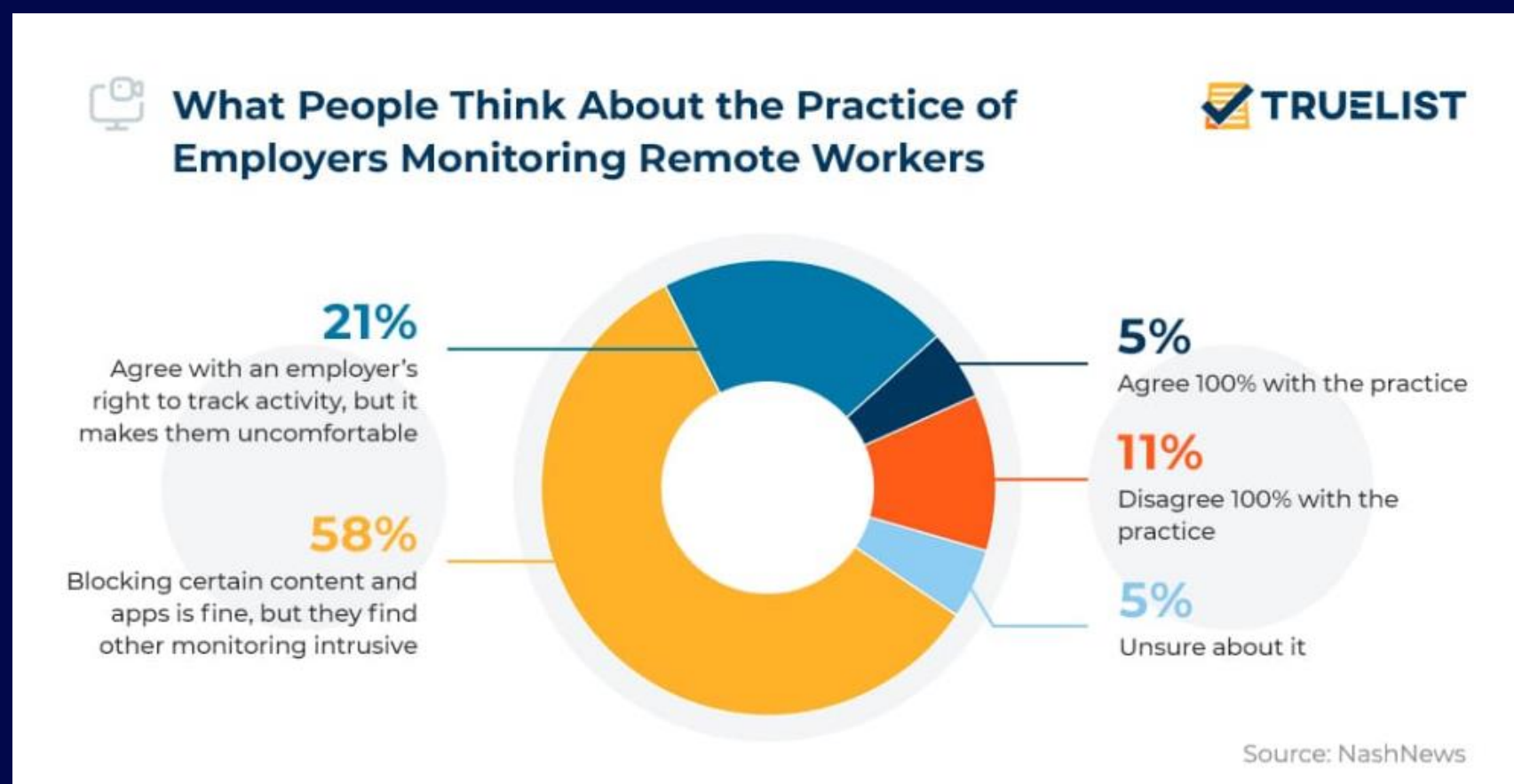
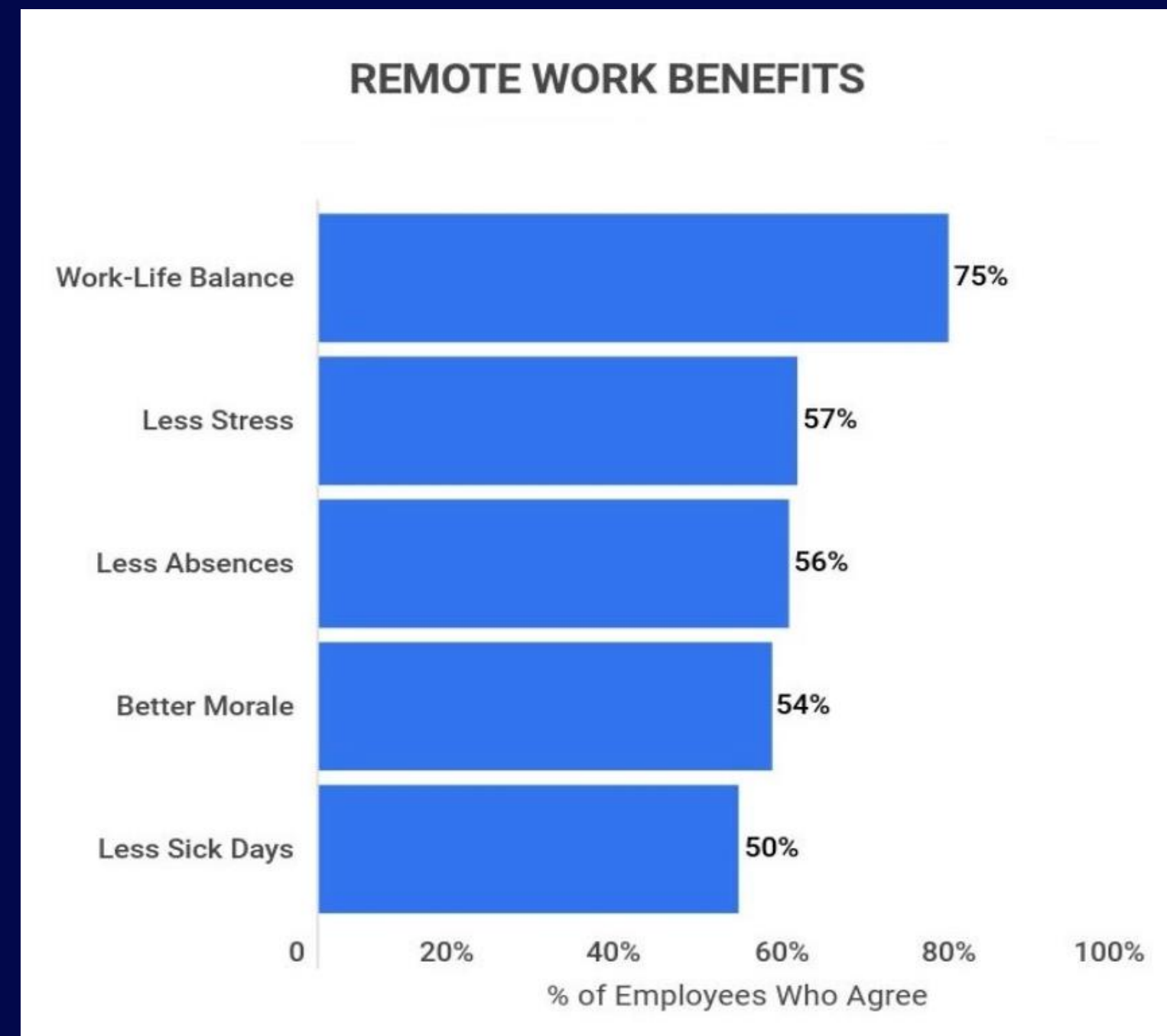


Figure : Using Algorithm Management in AI systems-based economy in the Context of Facilitating Remote and/or Hybrid Workforce



3 Key Artificial Intelligence Statistics You Should Know

1 Which processes rely heavily on AI?

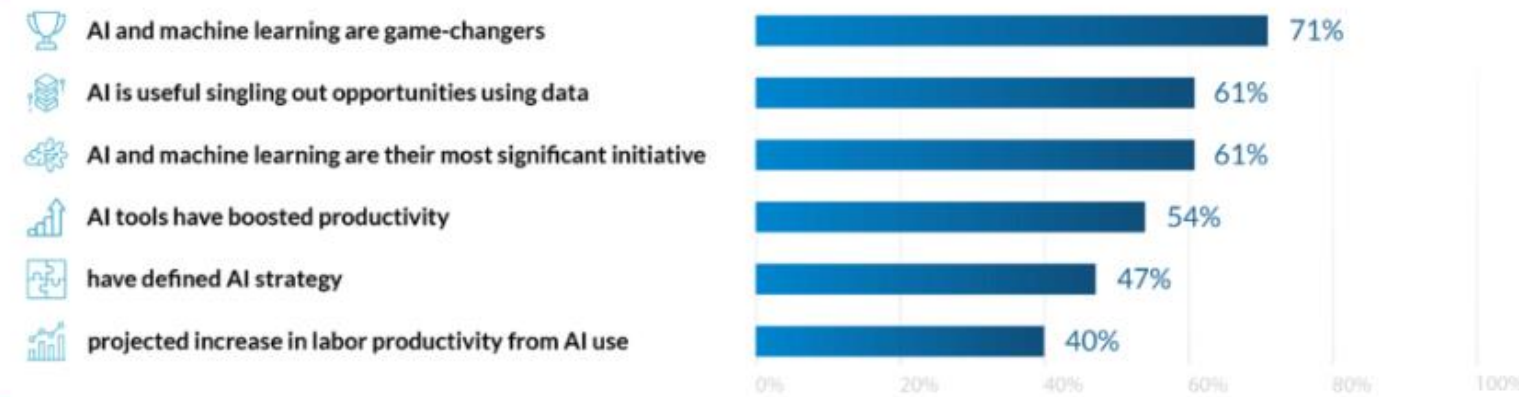
Source: Statista

Global AI ranked by revenue of use cases:



2 How do organizations and leaders perceive AI?

Sources: MemSQL, Accenture, narrativesscience.com, cmo.com, pwc.com

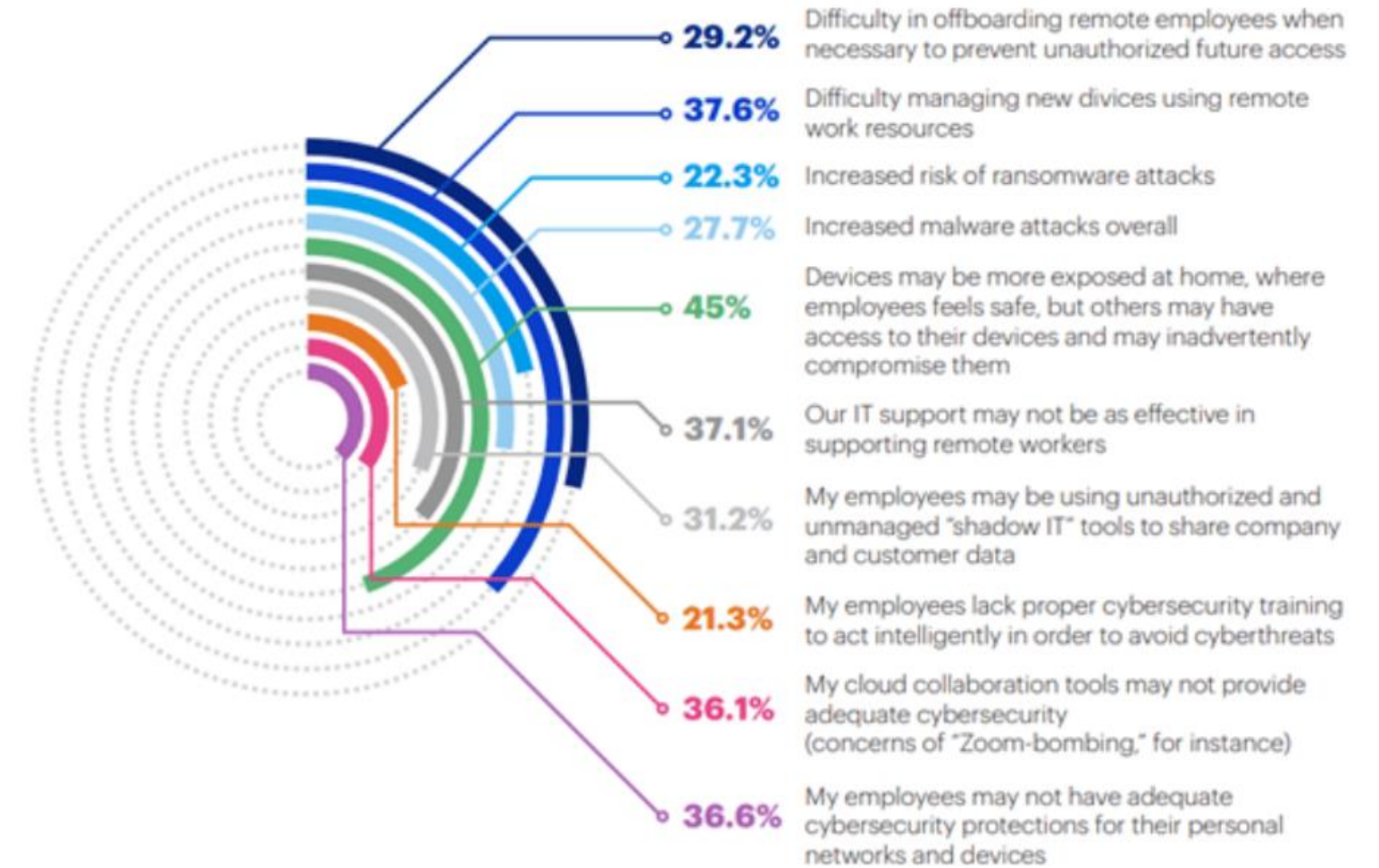


3 What are the top benefits of AI adoption?

Source: The Economist, Forbes, pwc.com, hbr.org



What are your biggest cybersecurity concerns with remote work?



Organizational Shift Towards Algorithmic Management

Tools to Engage Remote Workers

Digital economy, algorithmic management as a tool in the context of AI systems-based, data and information are considered more relevant regarding sustainable operations in a socio-technical ecosystem



Remote workers' horizontal communication within the working platforms should be paramount. Engage dynamic and diverse remote and/or hybrid workers/contractors through the application of algorithmic socio-technical management tools for effective communication and scheduling

Presentations



At which level can you currently perform this activity?



How important is this activity to your future success?



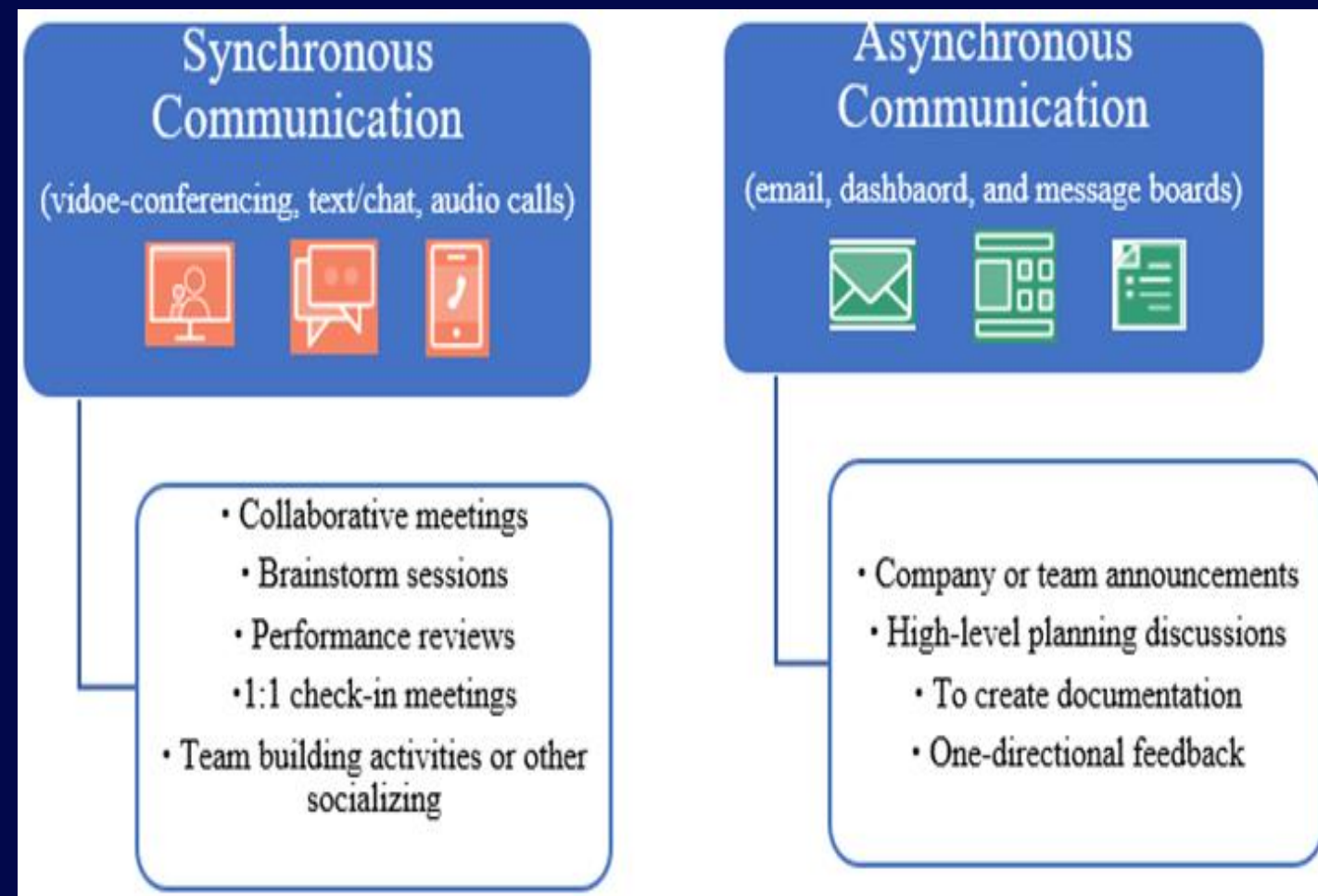
Business writing



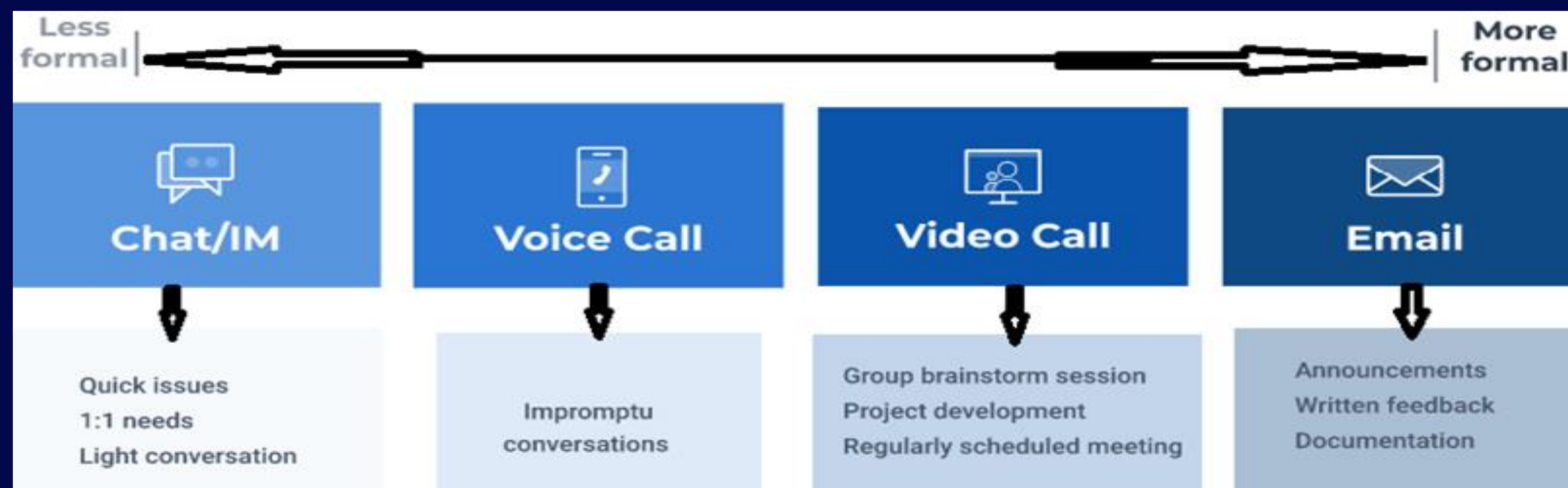
At which level can you currently perform this activity?



REMOTE OR HYBRID WORKFORCE COMMUNICATION IMPLEMENTATION STRATEGIES



Collaboration among remote teams is made possible by a blend of synchronous communication (real-time, involving multiple entities, where there is prompt feedback, almost the same as a live conversation) and asynchronous communication (non-real-time, isolated and discontinuous) processes and applications



GO TO MARKET SOLUTION



COMMUNICATION:

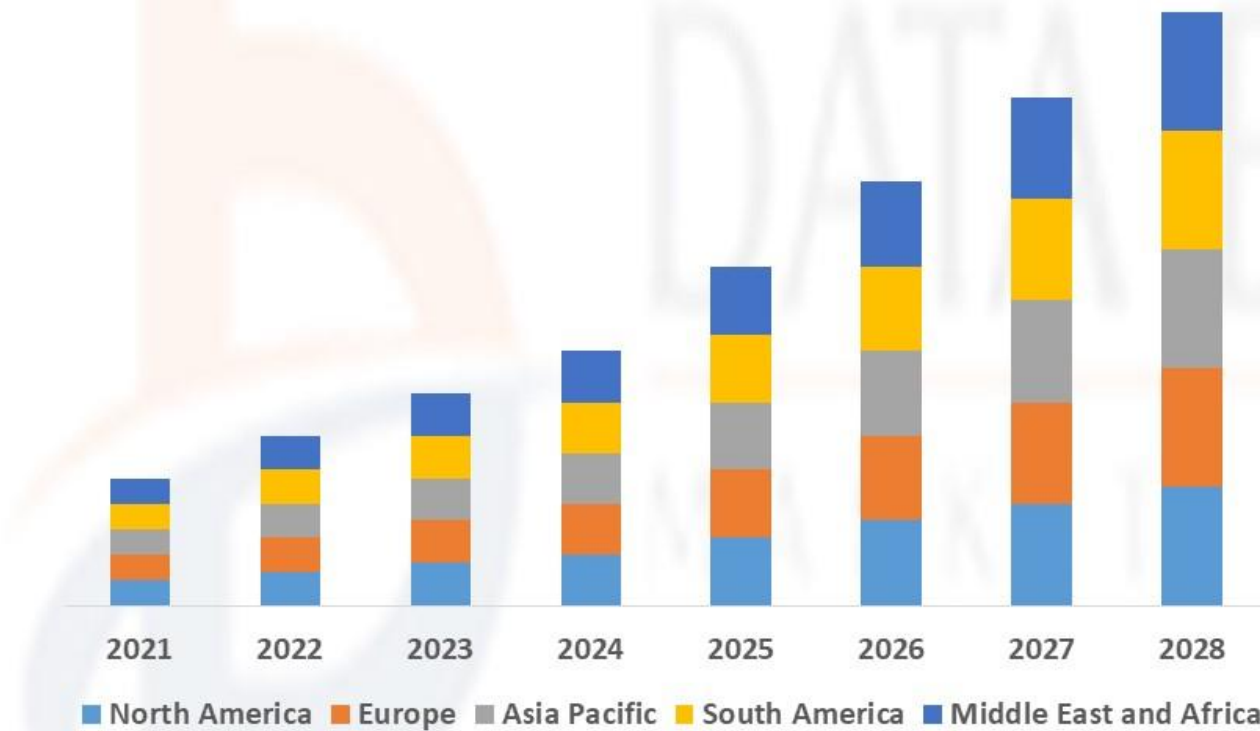
Horizontal communication, Augmented Intelligence, feedback,



SCHEDULING:

Worker Personal Time, Ability to transfer duties to fellow employees, Personal Program,

Global Customer Communication Management Software Market is Expected to Account for USD XX Million by 2028



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Global Customer Communication Management Software Market, By Regions, 2021 to 2028



DATA BRIDGE MARKET RESEARCH

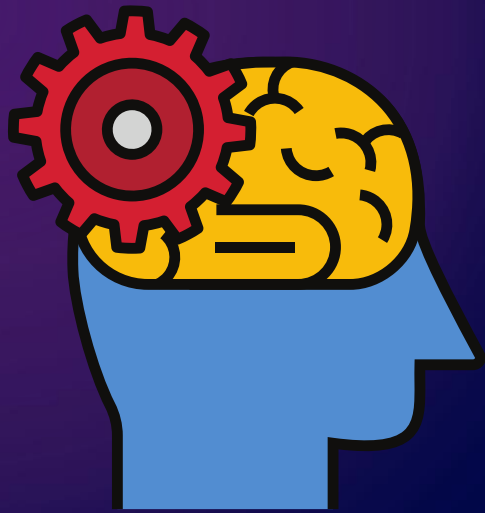


Global Appointment Scheduling Software Market, Forecast 2022-2032



Source: Fact.MR

Fact.MR



THE REMOTE WORKING EFFECT ON JOBS

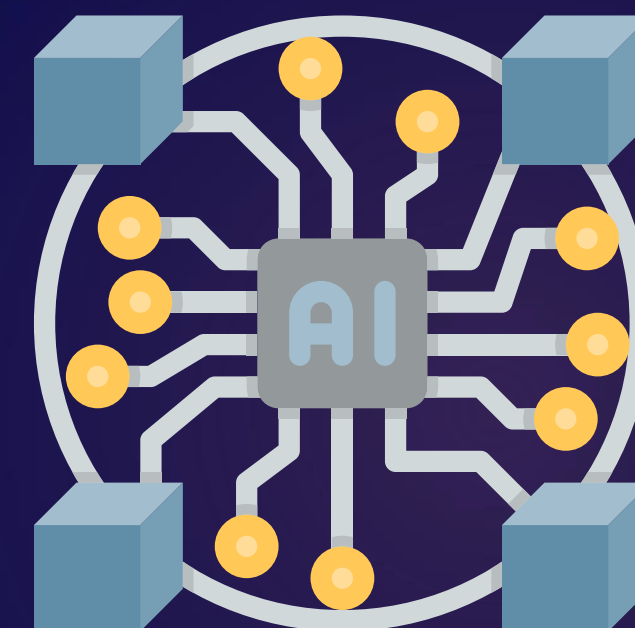
01 COMPUTER
TECHNOLOGY

02 HEALTH

03 AGRICULTURE

04 EDUCATION

05 BUSINESS
ENTERPRISE



RECOMMENDATION

AI growth is becoming exponential in business processes and the potential in remote working are only starting to be innovated in Digital economy.



Research and development of mechanisms to manage small teams of remote workers as the workers' movement to the gig economy will help create a close neat team for gig working and short-term projects



Development and adoption of hybrid working culture in the technological age to better exploit the fourth industrial revolution potentials



Access to system source codes to scale more context-based processes within the AI-powered platform systems; in order to address most of the ad-hog remote worker challenges and exploit the immediate and foreseeable future opportunities

Step 1: Forming a migration curation team

Outcome: curation team line-up

Step 2: Organize workspace

Outcome: employees have all the hardware/software, and other items to work remotely

Step 3: Setting channels for communication

Outcome: communication terms and applications are chosen, Time-frames, and preferred communications channels are documented.

Step 4: Providing access to corporate resources

Outcome: employees have a secure access to all the corporate system and

Step 5: Documenting remote processes

Outcome: frameworks for remote work and reporting are defined, and

Step 6: Fine-tuning remote processes

Outcome: outlined processes are checked on practice, and optimized



THANK YOU AI

Remote Working
With
Artificial Intelligence