



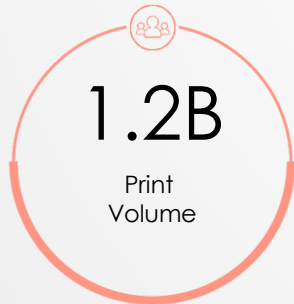
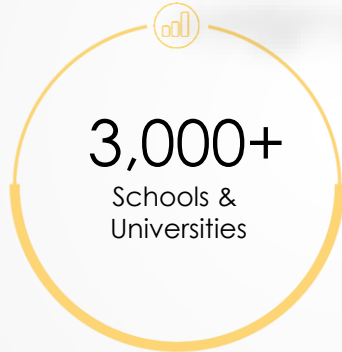
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**EDUCATION
FOR LIFE +**

MENA Innovation 2019
Official Ministerial Forum for ICT Innovation in Education



Private sector has a big role to contribute and perform for the Education industry



共生 Kyosei

“Living & working together for the common good”



Students

Education



Labor
Market



Redundant Roles

- Data Entry Clerks
- Accounting and Payroll Clerks
- Administrative and Executive Secretaries
- Business Services and Administration Managers
- Accountants and Auditors
- Material-Recording and Stock-Keeping Clerks
- Financial Analysts
- Cashiers and Ticket Clerks



New Roles

- Data Analysts
- AI & Machine Learning Specialists
- Big Data Specialists
- Digital Transformation Specialists
- Process Automation Specialists
- Innovation Professionals
- Information Security Analysts*
- Human-Machine Interaction Designers
- Training and Development Specialists
- Robotics Specialists
- People and Culture Specialists



2019



2020



2021



2022

2019

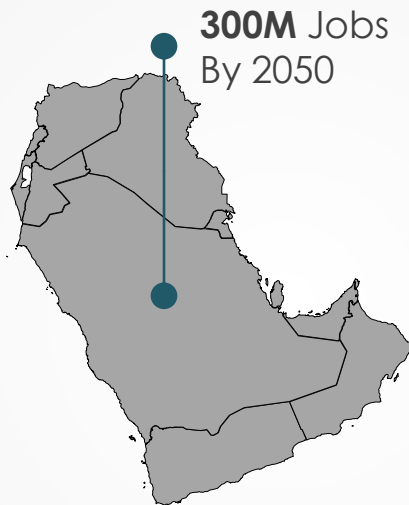
2020

2021

2022

42% workforce skillset Shift.

54% of workforce will require re or up skilling.



46% Information & Data tasks to be performed by machines.

62%

85% Very likely to have expanded adoption of Analytics.

0.98M Forecasted shift in the workforce

1.74M

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GenZ

32%



Of the world's population

Need for Analytics



66%



higher education leaders are researching the use of AI to analyze student data.

70%



Middle East students' enrollment rate in secondary level education.

67%



Internet & mobile penetration rate across the region.

10% MENA

Average spending of the government expenditure towards the education sector.



Increase number of students

Digital & Tech Savviness



Satisfaction



15%

All transactions digitally



85%

Seeks external service providers.



71%

Expecting better service



Strategy

Control



How to reduce information leakage?



Are you able to limit cheating?



Print & Digital at once?



Students with special needs?



Students have to wait for their results



Time needed per teacher to correct one exam?

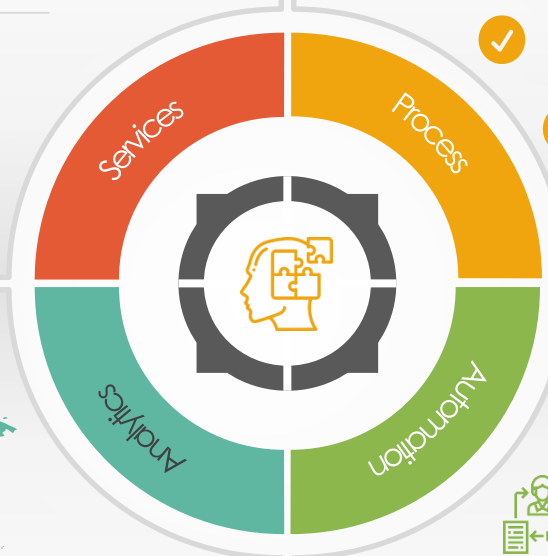


Manual audit, lack of automation & digitization



Transparency in results publishing

Efficiency



Schools

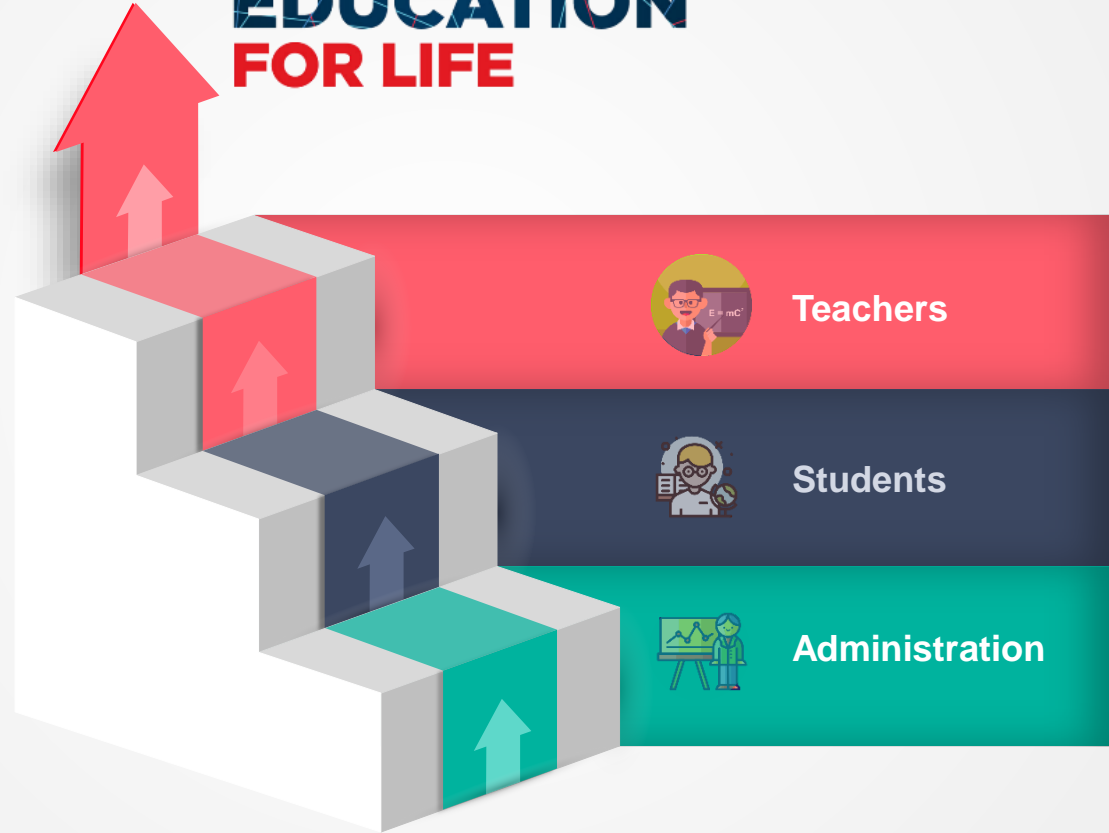
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2017

Graduation

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25 Solutions &
Applications

Pre-enrolment

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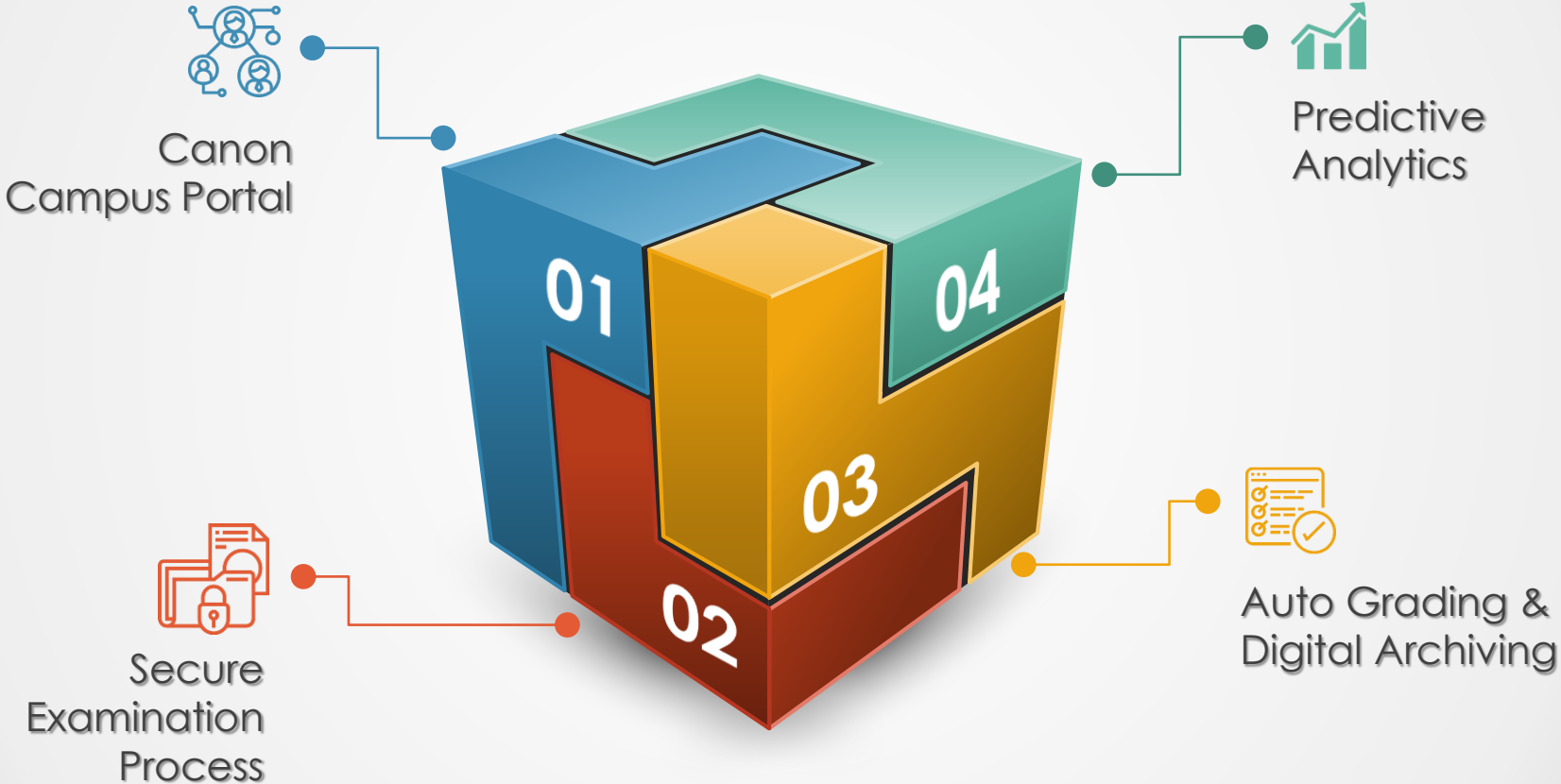
Higher Education

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2019

Canon Campus Services





Canon Campus Portal

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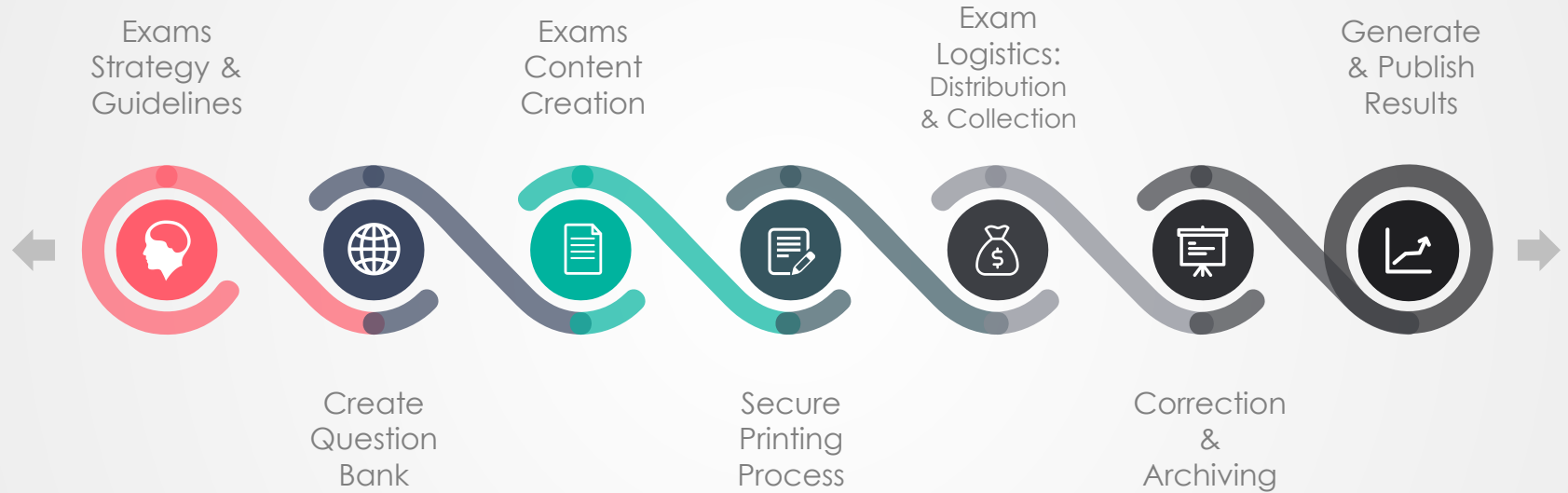
Canon Campus Portal

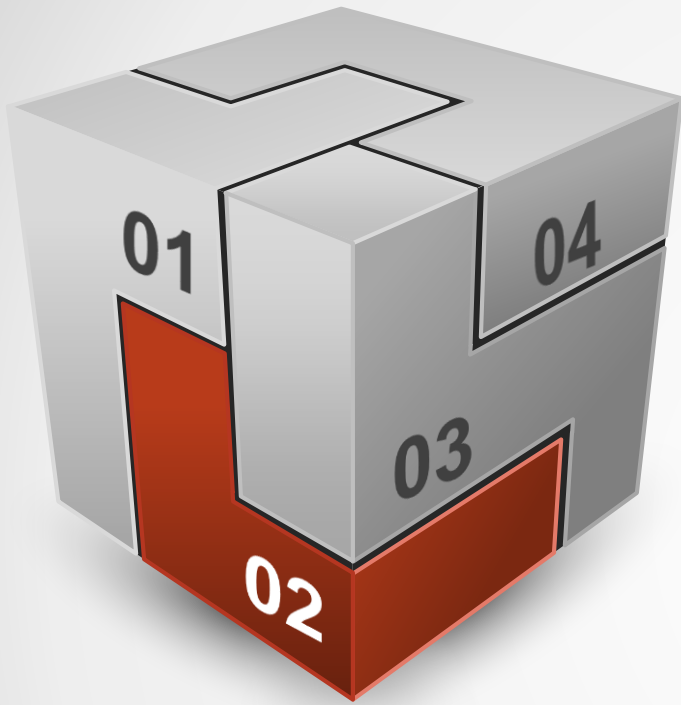
A single touch point for staff & students providing multiple services.

- **Cost Control**
- **Student Satisfaction**
- **24/7 Accessibility**
- **GenZ friendly**



Secure Examination Process





Secure Examination Process

End to End automated process from creation to grading.

- **Security**
- **Fraud Control**
- **Closed loop control**
- **Efficiency & Scalability**
- **Digital Ready**



Auto Grading & Digital Archiving

Digitization

Batch Scan exam copies & generate enhanced digital copies.

02



Audit Workflows

Digital workflows enabling manual correction (if needed) & audit of corrected exams.

04



Recorrection Requests

Digital & automated workflows to manage review requests.

06



01

Validation

Validate the receipt of all exams copies (locations & students)



03

Auto Grading

Automated exam grading based on variable exam content & version



05

Publish Results

Publish the final exam copies on the ministry or campus portal.



07

Digital Diplomas

Generate encrypted & **BlockChain** ready digital diplomas.



Auto Grading & Digital Archiving

Smart exam grading & digital archiving platform.

- **Confidentiality**
- **Faster Processing**
- **Transparency**
- **Traceable workflows**
- **Analytics**





Analytics

**DEFINE YOUR
KPIs &
OBJECTIVES**



**GATHER &
CORRELATE
DATA**



**ANALYZE &
REPORT**





Predictive Analytics

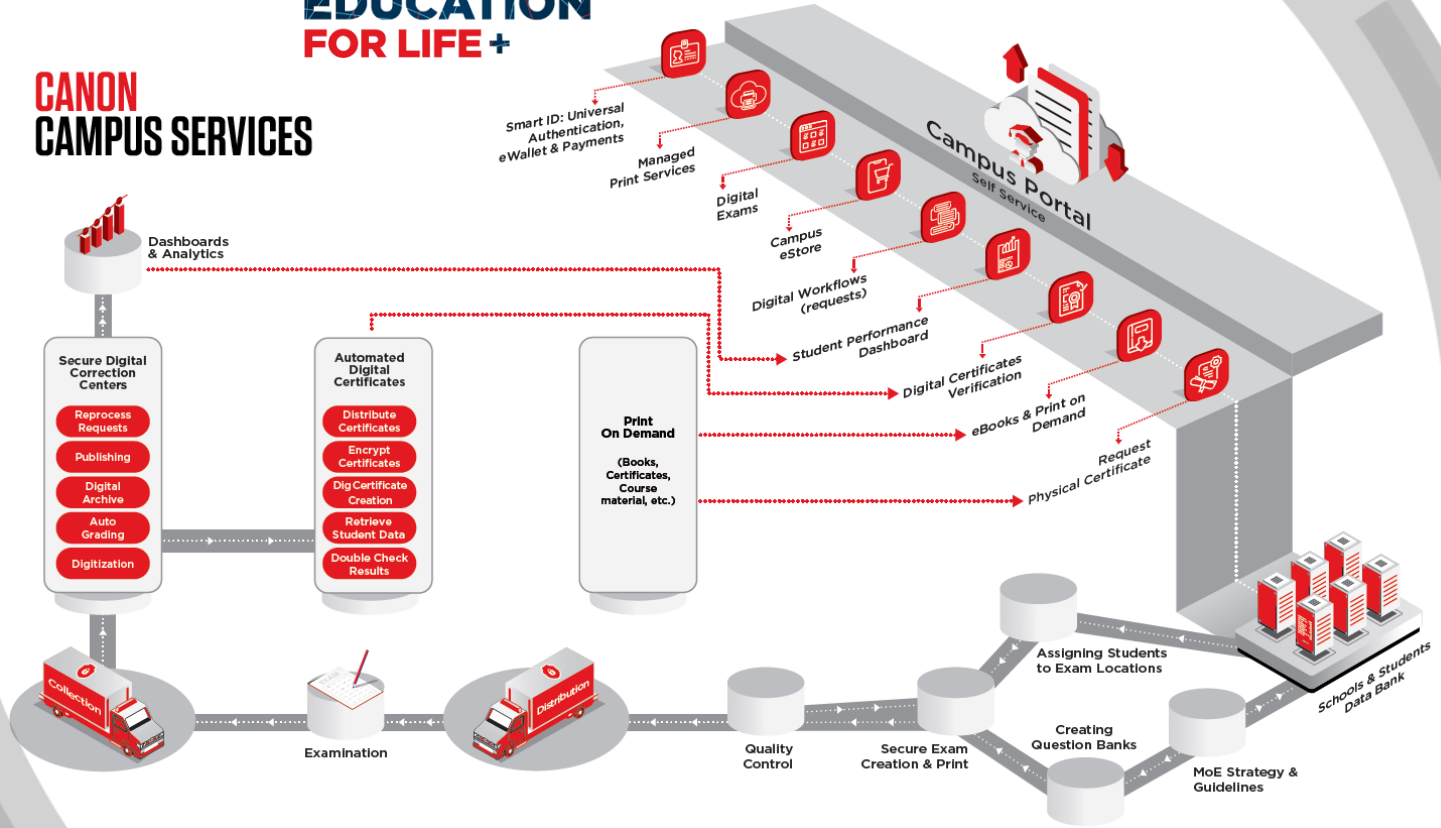
Automated reporting and advanced analytics.

- **Predictive Analytics**
- **Strategy & guidance**
- **Automated Reporting**
- **Personalized Dashboards**
- **Big Data**



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CANON CAMPUS SERVICES



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The image features the Canon logo in a bold, red, sans-serif font, centered on a light gray background. The logo is surrounded by decorative circular elements: a thick gray arc on the left, a thick gray arc on the right, and a series of thin, parallel gray lines forming a partial circle at the top and bottom. The overall design is clean and modern.

Canon