On-screen Marking Application
for Education Sector

A COVID-19 Initiative

Overview

COVID-19 has caused a worldwide situation that is unprecedented for most businesses; the education sector is no exception. While the times are challenging, it is important to ensure the well-being and safety of the students and faculty members while devising strategies around transiting to the new normal of digital. It's time for the educational institutions to take swift actions and embrace new-age technologies to ensure an uninterrupted flow of learning for students.

Challenges Affecting the Examination Process During COVID-19

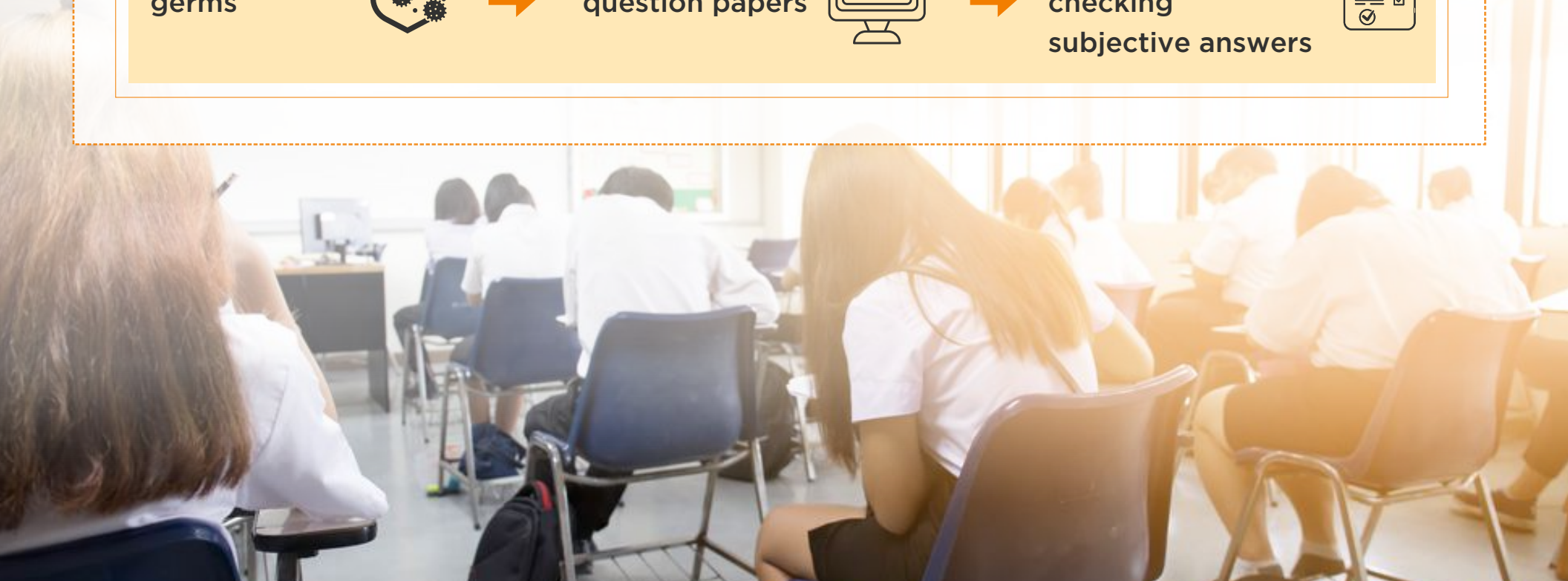| Problem		Solution		Issue	
Difficulty for students in ensuring the physical presence	→	Video conferencing	→	Submitting subjective answer sheets	
Exposure to germs	→	Electronic question papers	→	Difficulty in checking subjective answers	

Ensuring Continuity of Learning for Students – Unlocking Technology

The importance of paper-based writing and artwork cannot be overlooked for young learners and senior students alike. There's a large set of activities that require them to use pen and paper. Some of them include:

- Pre-schoolers' hand-made drawings
- Complex pictorial representations
- Physics concepts and experimental drawings
- Mathematical formulas
- Medical procedural explanations
- Chemical research compositions
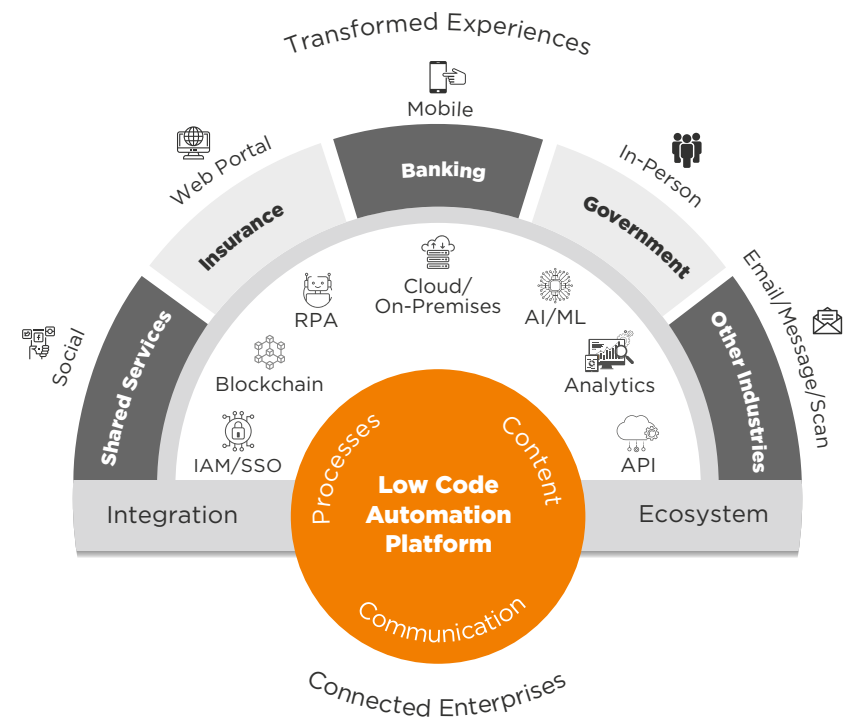- Architectural drawings
- Maps and much more

Considering these challenges, educators must invest in a viable technology-driven application to ensure the uninterrupted flow of learning and examination process.

Newgen's On-screen Marking Application

Newgen's on-screen marking application, built on a low code digital automation platform, helps in digitizing the examination process while transforming experiences of students and the involved stakeholders.

The platform available on the cloud integrates various capabilities of intelligent digital automation (BPM), contextual content services (ECM), and omnichannel customer engagement (CCM).

Using the application:

- Teachers can create question papers and electronically distribute them amongst the students

- Students can use their own paper to answer questions and upload documents in the system

- The complete examination session of each student gets recorded in the system

- Any camera device or system-linked web scan can be used by students to upload images of answer sheets, within a stipulated period. The recordings can be used for future references

How On-screen Marking Works?

The on-screen marking system provides a robust platform for evaluating pen and paper-based summative examinations on computer screens in a cost-effective manner

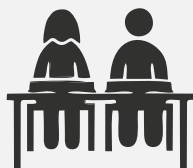The system automates marking and scoring of summative/descriptive answer scripts

The scanned/mobile clicked paper-based answer scripts are electronically distributed and evaluated on-screen by examiners

Marks assigned by examiners, their corresponding comments along with the annotations are duly captured across the marking process

On-screen marking application will benefit:

Students

Public schools

Universities

Coaching institutes
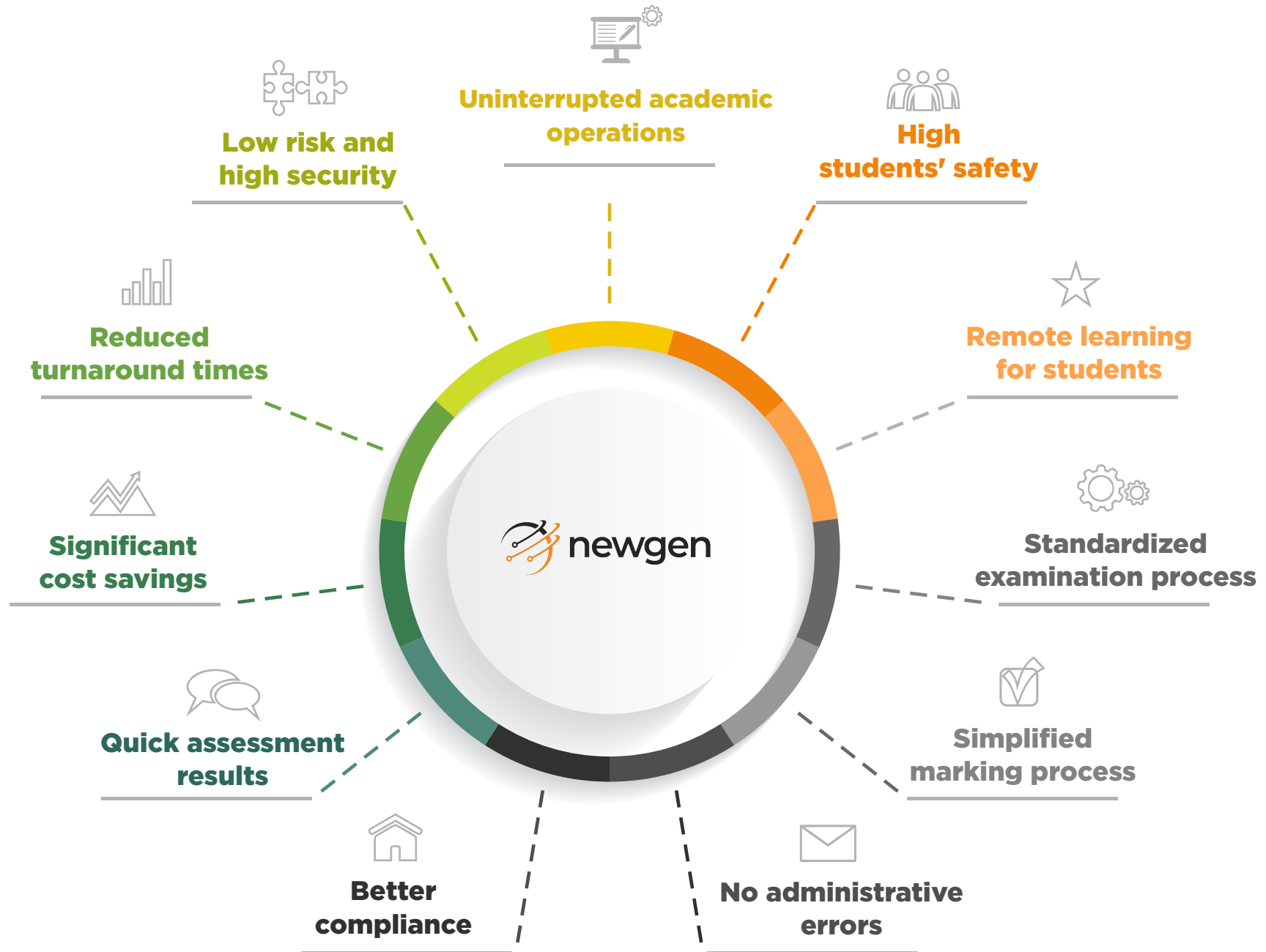
Core Functionalities

- **Answer scripts digitization**: Eliminate the dependency on any third-party scanning software/ hardware as the system's in-built web and mobile image enhancement capabilities automatically improve the quality of scanned answer sheets

- **Sampling:** Review automated sampling of marked scripts for seamless assessment of the paper

- **Examination administration:** Manage answer sets in high volumes along with videos of students respectively

- **Live marking:** Improve the speed of marking and allocating answer scripts to certified examiners

- **Result compilation:** Prepare results in multiple formats such as .csv, .pdf, post assessing answer sheets

- **Intuitive dashboard:** Leverage intuitive dashboard to manage variations of data reports

- **Dual marking:** Assign answer scripts for dual marking to two examiners simultaneously for greater objectivity

Did You Know?

A report by UNESCO states that nationwide closures are impacting over 90% of the students in the world

1.37 billion students are now home as COVID-19 school closures expand; ministers scale-up multimedia approaches to ensure learning continuity

Why Newgen's On-screen Marking Application?

Uninterrupted academic operations

Low risk and high security

High students' safety

Reduced turnaround times

Remote learning for students

Significant cost savings

Standardized examination process

Quick assessment results

Simplified marking process

Better compliance

No administrative errors

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About Newgen

Newgen is the leading provider of a unified digital transformation platform with native process automation, content services, and communication management capabilities. Globally, successful enterprises rely on Newgen's industry-recognized low code application platform to develop and deploy complex, content-driven, and customer-engaging business applications on the cloud. From onboarding to service requests, lending to underwriting, and for many more use cases across industries. Newgen unlocks simple with speed and agility.

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