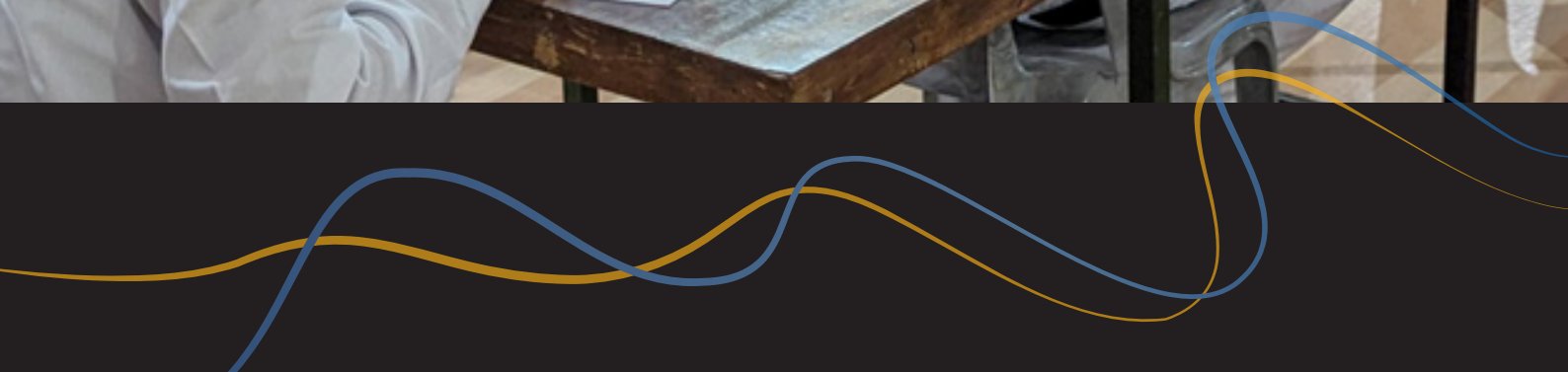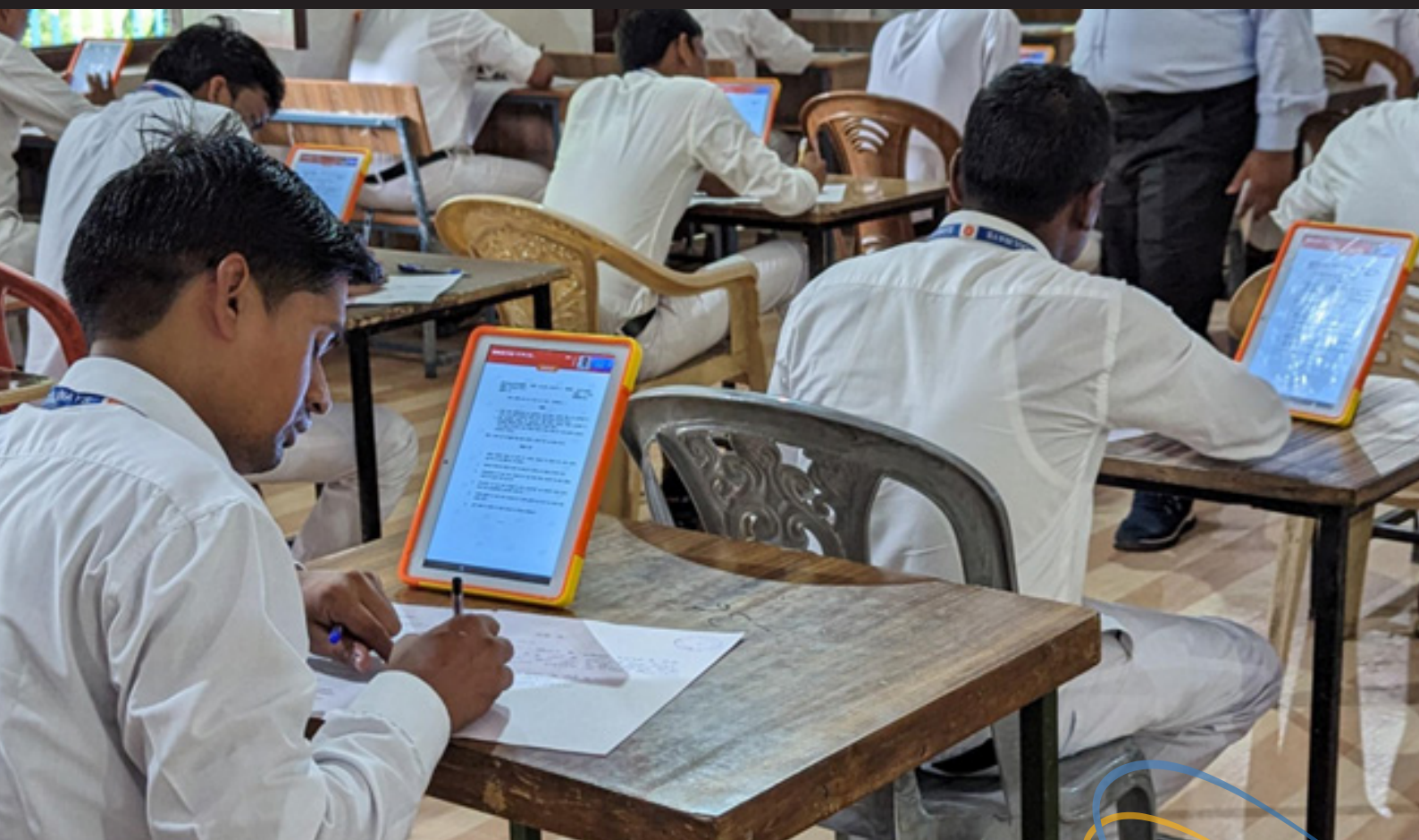# TCS iON Paper

Speed. Scale. Security. Experience

About TCS iON Paper

TCS iON Paper Appliance is ready to revolutionize the realms of learning and assessment. This device has been meticulously crafted through the customization of both hardware and software, all dedicated to the facilitation of assessments and learning. This device stands out with its ability to conduct assessments and learning without the need for IT Infrastructure or an Internet connection. This attribute renders it particularly suitable for deployment in remote locations. By integrating learning and examination processes within a one tablet, this user-friendly device ensures an efficient and secure experience for educators and students alike. Bolstered by its key features like simplified setup, offline capabilities, and support for remote learning and Pen-paper based assessments, TCS iON Paper Appliance is poised to redefine education by enabling learning beyond boundaries.

Key benefits

Sustainability at Its Core

By eliminating the need for paper-based exams, TCS iON Paper significantly reduces the environmental impact, preserving approximately one million trees during a course's lifecycle. It also saves 40,000 liters of fuel, further minimizing the carbon footprint

Digital Assessment without Internet

One of the most striking features of TCS iON Paper is that it allows students to take assessments without requiring an internet connection. This enables uninterrupted access to exams, regardless of geographical location or internet availability.

Effortless Sharing

With just one click, administrators can share question papers from one device to multiple devices, streamlining the exam preparation process and reducing logistical complexities.

Security

The device comes with a customized OS and hardware to restrict access and control, thus ensuring security and eliminating any malpractices. The just-in-time question paper delivery ensures there are no leakages in the exam process.

Anytime, Anywhere Learning & Assessment

TCS iON Paper empowers students and educators to engage in learning and assessments anytime and anywhere. This flexibility opens new possibilities for remote learning and empowers students to take charge of their education.

Cost-Efficient Alternative

TCS iON Paper offers a cost-effective solution, with a single device that costs only one-third of a computer. This affordability ensures that educational institutions, regardless of their financial capabilities, can embrace digital assessment and take advantage of the latest technology.

Fostering Creativity and Learning

TCS iON Paper's innovative design not only addresses the challenges of traditional assessment methods but also fosters creativity and enhanced learning experiences.
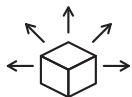
Efficient Grading and Feedback

TCS iON Paper streamlines the grading process, providing educators with timely and insightful feedback. This efficient feedback loop encourages continuous improvement and fosters a culture of creativity and growth.

Pen-paper based Assessment Support

TCS iON Paper also supports assessments where candidates need to be present physically. In this mode, the question paper is displayed on the device, and students provide their answers on answer sheets. This approach eliminates the necessity of printing physical question papers, thereby reducing paper consumption significantly.

Question Paper Distribution

QPD from TCS iON Paper TM lets end-users and organizations access question papers in digital format offline and enables secure transfer of question papers from the invigilator's device to the candidate's device wirelessly without the need of any internet connection.

Capture Attendance

Capture Attendance feature on TCS iON Paper™ has brought innovation into one of the most important aspect of examinations and made attendance capture a very easy and seamless activity. It eliminates chances of impersonation as it captures candidate biometrics, photo, and a unique barcode of his/ her identity. This feature on TCS iON Paper™ makes it possible to capture attendance of a large number of candidates in a systematic way, thereby eliminating any scope of errors.

Conduct Practical | Audio/Video Assessment

Conduct Practical feature on TCS iON Paper™ are audio assessments for testing the language skills of the candidates by recording their audio responses for the questions they attempt. This feature efficiently measures the language and communication skills of the candidates, thereby opening the doors for improvement and advancement in language learning.

Scanning

Scanning is a feature on TCS iON Paper™ which enables the scanning of subjective answer booklets and uploading the scanned booklets on the TCS iON server for marking at a later stage (through TCS iON Digital Marking/TCS iON Digital Marking Hub/Platform).

Learn Offline

TCS iON Paper Learn Offline is a unique and powerful offering from TCS iON, which integrates capabilities of TCS iON Digital Learning platform on TCS iON Paper appliance. With this introduction, TCS iON Paper distinguishes itself by providing students with access to learning content, enabling exploration and enrolling into courses, taking assignments and prep-tests, taking assessments, accessing communities and many more features in offline mode, without the need of internet or network.

DigiOMR

Traditional OMR exam conduction is a long and cumbersome process requiring manual intervention at multiple stages, which makes it vulnerable to malpractices We have completely re-imagined this process and have come up with a first-of-its-kind approach for conducting OMR based exams digitally through TCS iON Paper™ appliances.

TCS iON Paper Internet-less Digital Assessment

This is a feature that enables Digital assessment without internet connectivity on TCS iON Paper. This feature has been introduced to conduct assessment in offline mode in remote areas where internet connectivity is poor or non-existent. TCS iON Paper Digital Assessment in offline mode can be conducted in k-12, higher-ed, university, classroom, and coaching segments.

Value Proposition

The adoption of TCS iON Paper has delivered measurable and impactful results for educational organizations. Its ability to minimize manual labor, enhance question paper security, and simplify processes has significantly elevated examinations countrywide. The overwhelming positive response and heightened interest from educational institutions underscore the transformative potential of TCS iON Paper in fostering a seamless, secure, and efficient assessment environment. This, in turn, empowers tomorrow's learners to give their best at every stage.

The quantitative impact of TCS iON Paper is as below-

- **Securing the future of the next generation:** Fair mode of examination by eliminating scope of cheating/malpractice/response tampering.
- **Averting operational nightmare – Saving effort:** Streamlining operations by eradicating forward and reverse logistics, manual OMR scanning, and verification processes.
- Level playing field for students who are marginalized, visually impaired, and hearing impaired.
- **Brand Impact:** By eliminating vulnerabilities, TCS iON PAPER safeguards the reputation of exam conducting bodies.
- **Environmental Impact:** Nearly 5000+ trees saved so far due to elimination of question papers and OMR sheet usage across 200+ institutes.

About TCS iON

TCS iON is focused on empowering people and organizations with tech-led education to transform themselves for the new world. It uses uniquely built 'Phygital' platforms that overlay digital technologies over physical assets. For recruitment boards, corporate entities, and education institutions, TCS iON offers a range of interventions that reimagine and transform all the key processes. For individual learners, it offers a plethora of multi-modal learning courses imparting varied range of skills and proficiencies. With all this, TCS iON serves every stakeholder in the education domain: school students, schools, education boards, youth, colleges, universities, skilling institutes, working professionals, corporate entities and recruiting organizations.

For more information, visit us at www.tcsion.com

For further inquiries, please contact us at enquiry.tcsion@tcs.com

About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that has been partnering with many of the world's largest businesses in their transformation journeys for over 50 years. TCS offers a consulting-led, cognitive powered, integrated portfolio of business, technology and engineering services and solutions. This is delivered through its unique Location Independent Agile™ delivery model, recognized as a benchmark of excellence in software development.

A part of the Tata group, India's largest multinational business group, TCS has over 606,000 of the world's best-trained consultants in 55 countries. The company generated consolidated revenues of US $25.7 billion in the fiscal year ended March 31, 2022, and is listed on the BSE (formerly Bombay Stock Exchange) and the NSE (National Stock Exchange) in India. TCS' proactive stance on climate change and award-winning work with communities across the world have earned it a place in leading sustainability indices such as the MSCI Global Sustainability Index and the FTSE4Good Emerging Index.

Visit www.tcs.com and follow TCS news @TCS_News.

www.tcsion.com