“Technology used to support Teachers and Teaching in the 21st Century Education System”.
“Education is not the filling of a pail, but the lighting of a fire.”

W. B. Yeats
Background and Context

- CEO and founder of Nisai Group – A technology and learning practitioner
- Making use of technology to aid in the delivery of education to students
- Making use of technology to develop and support teachers
- A focus on making education affordable and accessible to all
- A focus on delivering learners who have developed both socially and academically
- A focus on providing opportunities and life long opportunities
How can technology support teachers and teaching?
The main challenges in the education system

- The fact that, ‘every child has the right to an education’, is not being honoured
- Schools focus on academics rather than core competencies

Why?
- Lack of inclusivity
- Learners with Special Education Needs are not being catered for
- A focus on those who are able to achieve performance targets
- A lack of understanding of the impact of improving soft skills
Challenges

• Inconsistent quality of teaching
• Staff shortages and challenges with recruiting
• Education focused on academic achievement rather than development of skills
• Changing the mind-set of education professionals – regionally, nationally and internationally
  • Role of teacher and /or coach
  • Use of multiple intelligence
  • Teachers as fountain of all knowledge to being a facilitator
  • Understanding of tacit knowledge of the learners by using open questioning
• Improve the quality of the labour force across all professionals in education, not just teachers
• Being able to replicate the skills and expectations of our learners to our teachers
How technology supports?

- Allows the sharing of knowledge and best practice over wide geographical areas
- Provides a cost effective model to deliver Continual Professional Development programmes
- Develops teachers in specific knowledge areas e.g. SEN, lesson delivery, quality of teaching
- Opens their minds to new ideas including the inclusion of the 4 C’s
- Provides additional resource to improve learner engagement and subsequent outcomes
- Provides empowerment
- Helps to meet the criteria of improving the Quality of Teaching in a global economy
- Develops the skills to ‘Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all’
21st Century Competencies - The 4 C’s

Created by the Partnership for 21st Century Learning, the 4 Cs define and illustrate the skills and knowledge students need to succeed in work and life. If teachers demonstrate these competencies, our students will value them and adopt them.

• Critical Thinking
• Communication
• Collaboration
• Creativity
21st Century Pedagogical Approach

Adapting the way we educate to prepare today’s students for tomorrow’s future.

Based on three pedagogical principles:

• **Personalisation** - Learning shouldn’t be ‘one size fits all’. Driven by the learner but still focuses on meeting targets

• **Participation** – Encourages project based learning, where students lead and actively engage

• **Productivity** – Continual professional development for teachers and encouraging life-long learning
Blended approach to 21st Century Learning

Primary School
- Face to face pastoral support
- Face to face academic study of core subjects
- 4Cs embedded

Secondary School KS3 + KS4
- UNESCO Sustainable Development Goals project based learning face to face
- 4Cs embedded
- Theory of vocational subjects delivered online
- Academic study online (OCR for UK, Cambridge for International)
- Career and Pastoral support face to face and online

Academic
- Higher Education application support available face to face and online
- 4Cs embedded
- Career and pastoral support available face to face and online

Vocational
- Apprenticeship/Traineeships
- Access to Higher Education
- Vocational theory courses delivered online

Outcomes
- Jobs
- Self-Employed
- Entrepreneur
Case Studies and putting it in to practice
Nisai Delivery Model
Delivered to local needs with local people using the Nisai platform, training, QA

- Delivered anywhere there is a mobile phone signal or internet
- Delivered via tablets or PCs
- Accredited Courses
- Local teacher

- Teacher CPD and Teacher Training
- In community centres
- In home, in local businesses
Teacher CPD – Delivered Online

• Delivery of teacher CPD in the UK and to overseas to Nisai Partners
• Trainers using an online platform to encourage involvement, interaction, small group work
• SEN Training by skilled and qualified staff
  • Modules covering Autism, Managing Challenging Behaviour, working with gifted and talented learners, Managing student anxiety
• Workshops being delivered online in multiple locations to make the programmes affordable – reducing travel and premises costs
• Staff accessing from their place of work and in twilight sessions
Outcomes

- Better standards in the quality of teaching
- Upskilling teachers who are already recruited
- Job satisfaction – staff being supported and invested in
- Staff retention improves
- Issue of staff recruitment and staff shortages is addressed
- Students outcomes improve
- Education is made more accessible to learners due to the breadth of the teachers skillset
- Teachers are empowered, well trained, professionally qualified, motivated across the whole education system
Nisai Learning

Offering a high-quality, experienced implementation model to support the targets to meet the Sustainable Development Goal for Education.
Thank You