



TRINIDAD AND TOBAGO'S EXPERIENCE

TITLE:
**CREATION OF A VIRTUAL EDUCATION PROGRAMME 'PAN ONLINE':
PILOT PROJECT AT SUCCESS-LAVENTILLE SECONDARY SCHOOL, TRINIDAD
AND TOBAGO**

GENERAL INFORMATION

Country: Trinidad and Tobago

Coordinating Institution: Sanch Electronix Ltd

Other institutions involved: British Gas TT (BGTT); Distance Learning Secretariat, The Ministry of Tertiary Education Science and Technology (DLS-MTEST); Trinidad and Tobago Research and Education Network (TTRENT); Telecommunications Services of Trinidad and Tobago (TSTT); Republic Bank Ltd.; Caribbean Knowledge and Learning Network; The University of Trinidad and Tobago (UTT); The University of the West Indies (UWI) and Success-Laventille Secondary School

Duration of the experience: October 2012 – September 2016



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1) Objectives

The Pan In Education Business Model (PIE) is a proprietary learning application incorporating Information & Communications Technology (ICT), indigenous rhythms and musical instruments of Trinidad and Tobago, designed for training and enhancing the skills of persons in the music industry by targeting creativity, entrepreneurship and innovation. PIE contains thirteen music

arrangements with scores, curriculum, a National Occupational Standard for creating music producers, tasks, assignments, and associated materials. PIE covers the areas of Music, Literacy, Music Production, Technical English, ICT, Audio Engineering and Social Studies.

PETE the Panstick (PETE) is an animated, self-instructional interactive Steelpan-teaching programme, delivered through a blend of traditional and virtual instruction, replete with musical examples, scores, definitions and other aids to a large number of musical genres, including Calypso, Chutney and Soca.

The Project was conceptualized to define and implement an appropriate strategy that uses the resources already developed in PIE and PETE to enhance Steelpan instruction in blended classroom environments

The Project's Objectives are to:

- Offer PIE in secondary schools in Trinidad and Tobago through a Learning Management System (LMS), Pan Online;
- Make the programme accessible to the Caribbean and its Diaspora and all interested learners globally who are not able to access on-site instruction.

2) Relevance

A LMS designed to deliver curriculum online through national and regional educational networks, such as Trinidad and Tobago Research and Education Network; delivering music tutelage cost-effectively, conveniently, with flexibility and global reach.

It rapidly expands national and global mastery in playing, composing, managing and promoting the business development of the Steelpan, and there are no known products providing Steelpan music education from elementary to tertiary levels.

The Pilot Project emphasizes the importance of integrating technology into the arts curriculum, as a natural extension of learning expectations, enriching instructional strategies, while supporting the individual's connectivity with school, home and community.

Pan Online will be widely accessible, will facilitate the assembly of expertise of composers of pan music, arrangers and players (local and in the Diaspora) enable the consistent digital documentation and archiving of pan-related phenomena (sounds, images, videos etc.) and propel the Steelpan to become internationally recognized as a mainstream musical instrument.

Our Virtual Education Suite; Pan In Education and PETE are vehicles for creating new sustainable avenues for employment in the Steelpan industry for earning foreign exchange in the US \$30billion global music industry, enable cultural innovation and business growth in the productive sector along the value chain.

3) Concrete activities and actions

The Pan Online Pilot Project actions

1. Formal launching of PETE in Trinidad in 2nd quarter 2012 with partners Republic Bank and BGTT with Success Laventille Secondary School (SLSS) as the identified Pilot school
2. BGTT retrofitted the SLSS with the technical components for delivery of the blended teaching environment including the adjoining music production studio.
3. SLSS Orchestra 'Success Stars Pan Sounds' recorded and mastered with Sanch the CD 'Legacy of Excellence' 4th quarter 2013
4. TSTT in 4th quarter 2013 as a new partner provided the telecommunication services on which the Virtual Education platform would have internet access
5. 4th quarter 2013 the Pilot Project was formally mobilized and management through the Distance Learning Secretariat, Ministry of Tertiary Education and Skills Training spearheaded by Ms Karen Rosemin commenced
6. Lead Instructional Technologist, Ms Candice Sankarsingh was recruited to design the virtual instructional infrastructure for delivery of the curriculum
7. Steelpan Research and Development Expert Professor Clément Imbert was retained for the standardization of steelpan manufacturing and developing national occupational standards for the industry
8. 2nd quarter of 2014 selected equipment for the classroom and studio were purchased and the replication (1000 units) 'Legacy' completed (for a launch in September 2014)

4) Achievements and results

Since 2012 the Pilot Project has achieved the following tangible results:

1. Installation of equipment at the Pilot Project location, Success Laventille Secondary School
2. Classroom (blended teaching) - Server, projector & screen, 35 special chairs with AC power for individual laptops, loudspeakers, high-resolution power conditioner, posters
3. Studio - High-resolution power conditioner (shared with classroom)
4. Production, mastering and replication (1000 units) of the CD 'Legacy of Excellence'. This exercise was an all-encompassing cross-curriculum learning lesson in musical arrangement & production, recording & mastering, technical writing, financial management, marketing &

entrepreneurship for the 35 students involved in the Pilot Project. The sale of CDs will raise funds to support the Project.

5. "Pan Online" international Video Conference hosted by Telecommunication Services of Trinidad and Tobago (TSTT) at the Organization of American States' VIRTUAL EDUCA 2014 Conference (Tuesday 20th May, 2014 at Hyatt Regency Trinidad and Tobago) was chaired by Professor Imbert and involved participants from Trinidad, Tobago and Toronto .
6. 25 members of the Success Stars Pan Sounds and their management toured Mexico from March 17th-20th, 2014 on the invitation of the Trinidad and Tobago Government's Ministry of The Arts and Multiculturalism and its Mexican counterpart.

5) Sustainability

The Pan Online Pilot Project hosted on the TTRENT servers will deliver the Virtual Education curriculum on virtual media through organizations as Caribbean Knowledge and Learning Network, Virtual Educa, the proposed One Caribbean Voice website, Face Book and other social media.

Endorsements and support have come from The Caribbean Examinations Council, Republic Bank, British Petroleum, BGTT, Microsoft and TSTT, The University of the West Indies, The University of Trinidad and Tobago and The University of the Southern Caribbean.

The IDB, OAS, CDE, European Commission, Commonwealth Secretariat, UNDP and ECLAC and new entities are expected to deepen their alliance, and we shall link to successful online music programmes e.g. Berkley College of Music, Point Blank Music School, and Music-Courses.com

The Trinidad and Tobago Government Ministries & Institutions and the Steelpan Orchestras, will create the enabling environment for sustainability and competitiveness.

In 2013 PETE was launched in Suriname and the United Kingdom through collaborations with The Trinidad and Tobago High Commission in UK, The Centre for Development of Enterprise and Caribbean Export Development Agency.

Revenue streams will come through the sale of licences of PETE, sales of music products, music engineering and mastering services, training of trainers, workshops and seminars.

6) Lessons learned

Sanch as a private sector organization has single-handedly assembled a network of experts; Curriculum specialists, Steelpan players/arrangers, animators, software developers and web designers to create the PIE and PETE eLearning experience.

Support and facilitation from the public sector Ministries, Agencies and Institutions have been sporadic and adhoc. Long-term policies and approvals are needed in the music training curriculum to encompass a new, internationally recognized Steelpan mastery programme.

Public sector resources are urgently needed for equipping training colleges, schools of education, the National Library and Information System network, community centres, steelpan ‘yards’, places of rehabilitation and incarceration, etc. to deliver Pan Online, by offering on-demand access to users, enhanced accessibility and improved interactivity.

The Pilot Project is conservatively budgeted at US \$600,000 for the rapid rollout and development of the Virtual Education platforms which are critical for sustainability; we must successfully attract the appropriate investment to ensure global competitiveness of the Steelpan music industry.

At least six more institutions should be brought on-stream for sustainability of the Programme and attaining momentum for training the next wave of Steelpan music industry professionals and to create the information necessary to design for success.

7) Capacity for the exchange of this experience

Cooperation modality	Cooperation modalities the institution can provide to others	The institution may be able to provide this cooperation to others by
Information Sharing	X	November 2015 – March 2016
Conference Calls	X	November 2015 – March 2016
Videoconferences	X	November 2015 – March 2016
Workshops	X	March 2015 – March 2016
Technical and Experts Visits	X	January 2015 – March 2016
Other(s) – please describe Network building and facilitation	X	March 2015 – March 2016

8) Author of this story

Name: Simeon Louis Sandiford
Title: Managing Director
Institution: Sanch Electronix Ltd (Sanch)
Country (if applicable): Trinidad and Tobago
Email address: sls@sanch.com

9) Key persons involved in the design, implementation, and evaluation of the experience

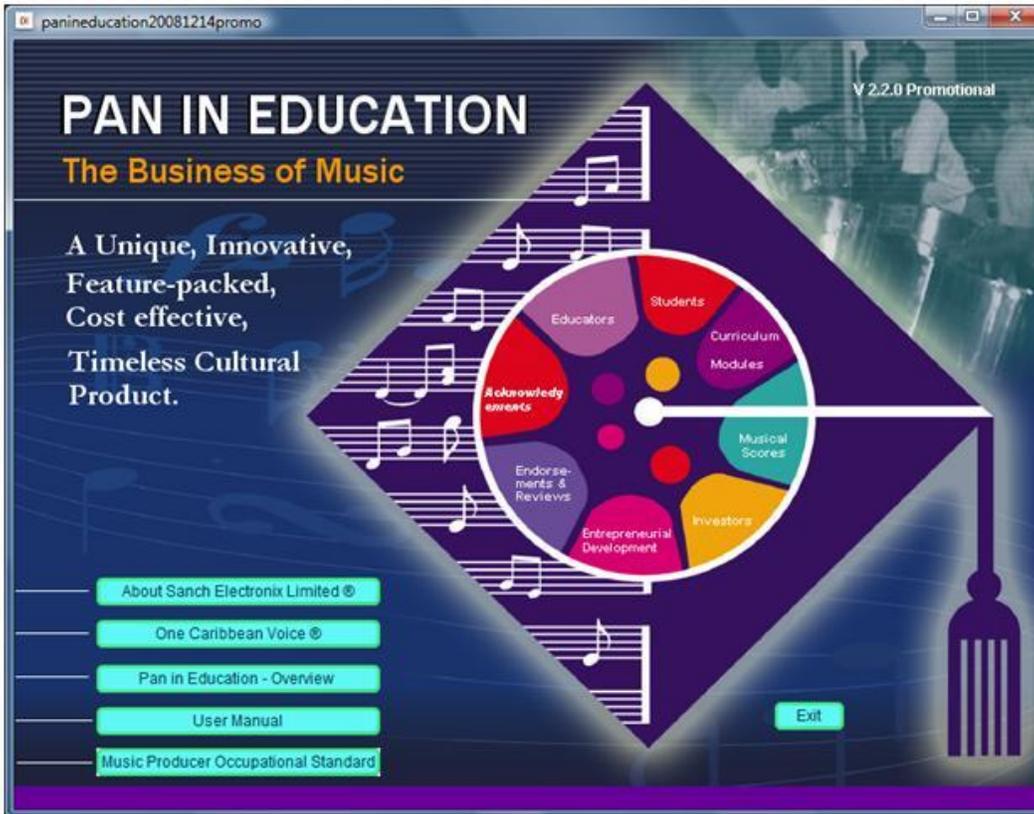
9 a.

Name: Karen Rosemin
Title: Director, Distance Learning Secretariat, Ministry of Tertiary Education and Skills Training & Head, T&T Research and Education Network
Email address: RoseminK@gov.tt

9 b.

Name: Candice Sankarsingh
Title: Education Instructional Technologist
Email address: cvsankars@gmail.com







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