



Digital Strategy

FOR YOUR SCHOOL

TECHNOLOGY- ENHANCED
TEACHING, LEARNING AND
ASSESSMENT

An Educational Technology Transformation Roadmap

Submitted to

YOUR SCHOOL

By



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EXECUTIVE SUMMARY

Technology-Enhanced Education System that transforms students into dynamic life-long learners and values-centered, productive and responsible citizens is the solution NetPro is offering.

Information and Communication Technology (ICT) plays a major role in creating a new and improved model of teaching and learning where education happens anytime and anywhere. To achieve this, we have leveraged on our experience to develop a plan that will:

- Revitalize YOUR SCHOOL to make it into dynamic, collaborative and innovative learning institution where students can become more motivated, inquisitive and creative learners
- Connect the students to the vast networked world of knowledge and information to enable them to acquire a broad knowledge base and a global outlook and provide them with the resources for the development of a creative mind
- Develop in YOUR SCHOOL students skills and capabilities to critically and intelligently seek, absorb, analyse, manage and present information
- Develop in YOUR SCHOOL students habits of self-learning to nurture the attitude and capability for lifelong learning

A suite of solution which include:

Software:

- a) School Website
- b) Online Application System
- c) Integrated Resource Planning (ERP) Software Solution for School Automation, incorporating
 - Admissions System
 - Online Fee Payment & Finance System
 - Student Information System
 - Parents and Teachers Interface
 - Attendance Management System
 - Academic and Exams System including e-Learning Solution (LMS)
 - HRMS
 - Transport Management System
 - Feedback and Messaging System including Online Notice Board, Blogs and Discussion Forum

- Library Management System
- Hostel Management System
- e.tc.

Hardware & Technology Infrastructure

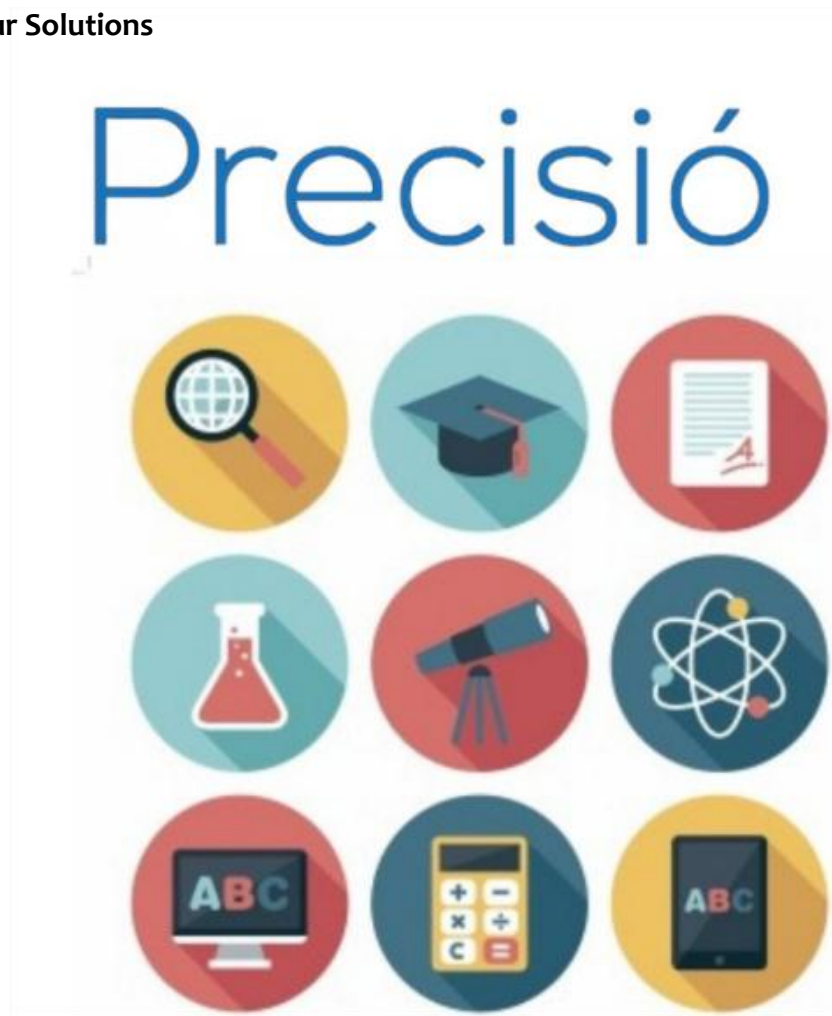
- a) Campus Network Design
- b) Broadband Internet
- c) Microwave Radios and Antennae
- d) Router and Firewall
- e) Wireless Access Points
- f) Design of Computer Rooms and Digital Classrooms
- g) Interactive Whiteboards & Accessories
- h) Projectors
- i) Computer Systems & Accessories including Printers, Scanners etc.
- j) NetPro Educational Tablets (Android)
- k) Wall.E Identity Management Solutions (RFID)
- l) Supply of e-Book and Online Learning Resources

Other Services

- a) Search Engine Optimization, Social Media Optimization, e-Marketing
- b) Educational Consultancy Services
- c) Academic Content Design and Development
- d) Support Agreement that is backed by a money-back guarantee
- e) Much More

Brands of our Solutions

Precisio School ERP



Wall.E RFID Attendance Reader

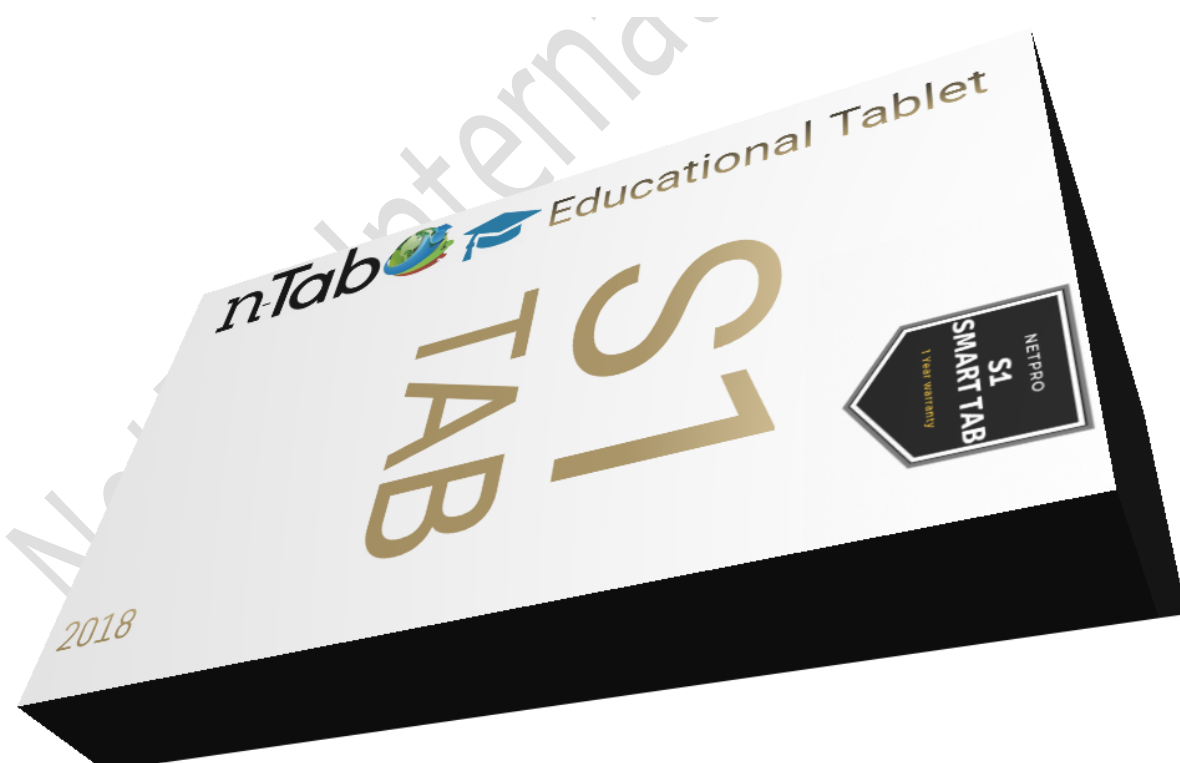
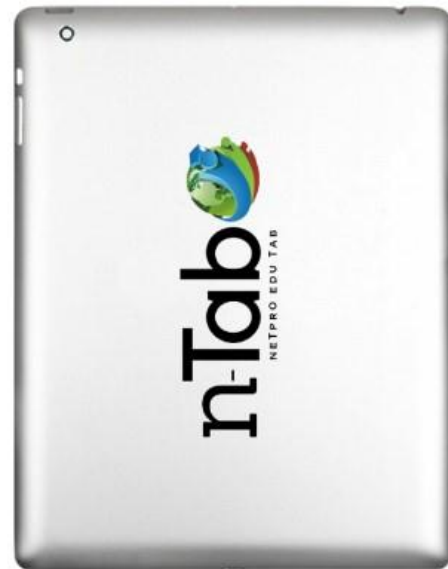


NetPro Educational Tablets



NePro Magic Board





Part of the transformation is to register a new domain name in line with the School name and host the web services which is a complementary service of our suite.

This will include creating corporate email accounts for the school, staff and every student of the institution to have access to the enterprise resources to be made available.

These domain names are suggestions and are currently available. We can decide at a later time what we will go ahead to register.

- www.YOURSCHOOL.com
 - www.SCHOOL-INITIALS.com
 - www.YOURCHOICE.com
- or any domain name of your choice

Cost and Funding Model

Our Software is Cloud Hosted in a secure private cloud and accessible via any internet-enabled device. It is rendered as a Service and charged on a per-student basis upfront per term. This cost is subject to the number of students in the institution (cost is less for higher number of students). Our team will be in touch to discuss this further. We will provide the School website for free as part of our complementary/support services.

Hardware purchase is outright and you will be invoiced subject to your specific requirements.

Our services are largely bespoke and cost is indeed very competitive and subject to specific user requirements.

INTRODUCTION

In this paper, a suite of integrated Enterprise Resource Planning (ERP) Software Solution is proposed incorporating a future-proof core *Student Information System (SIS) & Learning Management System* (inclusive of *Pre-Admission/Online Application System, Fee Management System, E-library Solution, Identity Management System, Examinations System/Computer Based Testing Solution, Business Intelligence System, Hostel Management System, Campus-Infrastructure Support and much more*), taking advantage of NetPro's Educational Technologies which has evolved for several years with the embedded best-practice support and change management frameworks.

KEY FEATURES

STUDENT INFORMATION SYSTEM (SIS): Facilitates increased enrolments, retaining existing students and streamlining administrative activities.

AUTOMATED FEE SYSTEM: Makes fee payments Secured and faster with web and mobile-based fee scheduling to increase fee collections and drive revenue.

LIBRARY INFORMATION SYSTEM/E-LIBRARY: Covers all aspects of management and use of information technology in libraries, archives, galleries and information centers, the information industry in general and the Web as a global and decentralized digital library

LEARNING MANAGEMENT SYSTEM (LMS): The Learning Management System (LMS), otherwise known as the Virtual Learning Environment is the most important tool in the delivery of online-learning.

INTERACTIVE WHITEBOARDS: This is a large interactive display in the form factor of a whiteboard. It can either be a standalone touchscreen computer used independently to perform tasks and operations, or a connectable apparatus used as a touchpad to control computers from a projector.

COMPUTER BASED TESTING (CBT): An innovative application for electronic exams that enables educators and trainers to author, schedule, deliver, and report on quizzes, tests and examinations.

HOSTEL/PROPERTY MANAGEMENT SYSTEM: Allows online check of availability, Booking and Payment for University Hotel. It also aids in managing the School Hostel.

STRATEGIC GOALS

Students will become engaged and self-directed in a learning environment which effectively integrates ICT across the curriculum. This strategic plan has been developed with the following objectives:

- To integrate ICT to give effect to our hybrid Curriculum
- To lead the integration of e-learning across all levels of learning in the school
- To strengthen our professional learning community and increase connections with colleagues by sharing professional reflections online
- Teachers to integrate e-learning effectively into their practice creating an innovative and exciting learning environment for all students
- To increase the school community's understandings of the educational contribution of e-learning and to encourage parents/guardian to actively participate in their child's learning
- To assist students in becoming successful digital citizens
- To increase the physical ICT resources in the school to support student's learning and achievement

AIMS

1. To ensure all staff and students can competently and confidently make effective use of ICT in enhancing teaching and learning across all subjects and ages, inside and outside the curriculum;
2. To ensure ICT is used to improve access to learning for students with a diverse range of individual needs
3. To use ICT in raising standards in literacy and numeracy
4. To use ICT to effectively support the management of the school and as a tool for whole-school improvement
5. To use ICT as a means of enabling learning to take place more easily beyond the bounds of the formal school organisation and outside the school day – and of enhancing the quality of such experiences
6. To recognize achievement at all levels through a range of academic and vocational qualifications and to ensure that ICT capabilities are developed as essential skills for participation in today's society.

OBJECTIVES

- To make effective use of the existing ICT infrastructure in improving learning at all levels and in all areas of the curriculum.

- To provide access to high quality ICT facilities across the entire school
- To develop the school website as first point of contact online and to celebrate the successes of students
- To enable all staff and students to safely and effectively use the internet both to access resources and to publish materials
- To use ICT to increasingly encourage students to take responsibility for their own learning
- To provide training for all staff in making effective use of ICT resources in improving learning
- To provide a level of technical support that will maintain the confidence of all users.
- To encourage the use of ICT to raise standards in literacy
- To encourage the use of ICT to raise standards in numeracy.
- To enhance the effectiveness of school communication systems through efficient use of email
- To use ICT to track each students' progress towards challenging learning targets
- To use integrated curriculum and school management information systems to help the school monitor individual student's progress for assessment for learning
- To set-up a framework for developing e-learning.
- To use ICT to develop the Collaboration Dimension of the school through video conferencing
- To grant access to parents to school information portal and encourage feedback as a way to improve our services
- To provide access to vocational ICT courses and qualifications.
- To provide a framework to implement ICT for all students in the school

ICT DEVELOPMENT PLAN

NetPro believes in the value that ICT can add to learning and teaching in all areas of the curriculum both within and outside normal school hours. The intelligent use of this technology by teachers can have a demonstrable and positive effect upon a student's attitudes, achievement and self-esteem. ICT will make a substantial contribution to whole school improvement as well as enabling the school to work collaboratively with parent/guidance.

Parents can check out lots of things on the school's web portal; what homework their children have this week; they can look at a showcase of student's work to see what others are doing or look at a range of their children's work held on computer; they can check out their children's progress through secure access to formal assessment records. They can check their ward's attendance and book their appointments to meet School Principal via email with questions where necessary.

Teachers in YOUR SCHOOL can make full use of available resources in the school after relevant training in their teaching. They also contribute to locally developed materials, such as video resources. Schools are also linked to a range of national and international networks and their pioneering work is ‘showcased’ electronically around the world.

VISION FOR THE FUTURE: DEVELOPING AN E-LEARNING STRATEGY

This will be an evolving, proactive strategy. We need to imagine the teaching and learning environment we are aiming for over the next three years, and the capabilities it should have, but driven by e-learning without completely eliminating current method of teaching:

- Empower learners – With more active learning, students of all ages could take more responsibility for what and how they learn, achieving their personal learning goals
- Be creative and innovative – Teaching could be more creative, developing new ways of teaching and learning for the 21st- century.
- Offer flexibility – An increasingly responsive education system would adapt to the needs of all learners, wherever and however they need to learn, on site, at home or anywhere with online access.
- Achieve better value – School managers can develop innovative ways of deploying their resources, exploiting e-learning alongside other teaching methods, to achieve improved quality and economies of scale
- E-learning is important for YOUR SCHOOL because it can improve the quality of the learning experience, and extend the ‘reach’ of every teacher and student. Specifically, it should provide:
 - Individualized learning – e-learning can provide an individualized learning experience for all learners, including those who are disadvantaged, disabled, exceptionally gifted, have special curriculum or learning needs
 - Personalized learning support – personalized information, advice, and guidance to help students find the support they need, with seamless transition to the next stage of their learning which may include an electronic portfolio of their learning which moves with them

- Collaborative learning – e-learning offers a wide range of online environments from school, college, home or work, to work with and learn from other individuals or groups of learners as well as teachers, and develop the cognitive and social skills of communicating and collaborating
- Tools for teachers and learners to innovate – e-learning offers a wide range of design tools to enable teachers and learners to be innovative, creating and to share ideas.
- Flexible study – e-learning can offer flexible learning on demand, anytime or anywhere, blending traditional and innovative methods to meet students' needs at home and school, or possibly in a community leisure venue
- Online communities– the Internet can bring students, teachers, specialist communities, experts, interest groups together to share ideas and good practice, contributing to new knowledge and learning. At the same time, we must provide a safe environment for those involved.

We have to learn how to exploit all these capabilities so it will be possible to achieve the main aim of our digital strategy.

NetPro understands that YOUR SCHOOL is committed to developing e-learning as part of its ongoing focus on raising student's achievement. The purpose of the Digital Strategic Plan is to create a 'road map' to achieve the identified goals in relation to students, teachers and the school community. The fundamental aim of this plan is to ensure ICTs are used to improve the quality of teaching and learning.

Goals are:

Our Students	Our Staff	Our Community
To be motivated, engaged learners who are creative and are able to create digital content	To enjoy the anywhere, anytime access to learning	To make good progress and achieve well with the help of ICTs
To enjoy the anywhere, anytime access to learning	To transfer the use of digital skills and learning across school and home	To facilitate an environment of personalized learning, where students learn independently

To make good progress and achieve well with the help of ICTs	To work collaboratively and value the benefit of learning with others	To provide a wider scope for students' personalized learning
To have access to a variety of real world and interactive learning.	To transfer the use of digital skills and learning across school and home and to maintain positive, safe, social interactions	To promote inclusive, creative and innovative approaches to learning

Infrastructure:

How Technical Support and Digital Technologies are managed

Goal (desired outcome)	Actions needed	Resources and Responsibilities
To provide a wider scope for students' personalized learning	To provide opportunities for learning to continue beyond the school.	Further research and develop Mobile Learning within the school: more laptops, extend use of iPads, good headphones, etc.
To promote inclusive, creative and innovative approaches to learning	To appreciate and value how ICTs support learning at school	Investigate security
To have ready access to an increasing range of online resources.	To keep children safe in an increasingly digital and online world.	Well considered budget amounts to allow achievement of goal : devices, PD. release, subscriptions, software
To facilitate an environment of personalized learning, where students learn independently.	Install wireless access points to Room 3 and the Cultural Centre to ensure good access to wireless.	
To seek opportunities, programmes and applications to support both their own and student's learning	Upgrade to Office 365 so children are using the Student Advantage from MS. Supplies MSOffice to all students	
To collaborate through sharing personal learning and best practice.		

Teaching and Learning:

How Teachers, Students and School will sustain and build their eLearning capability

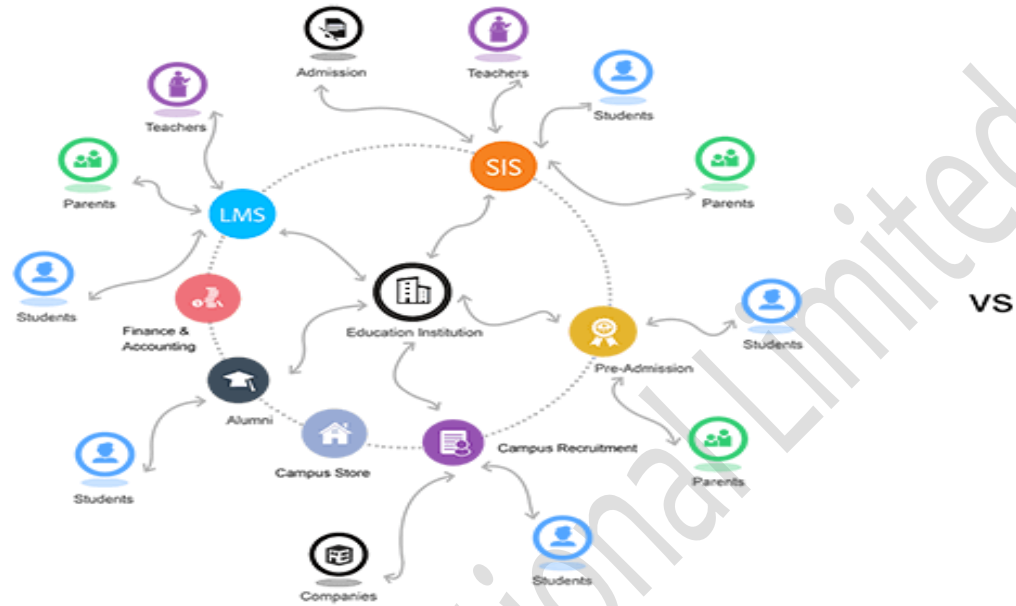
Overall Goal	Goals	Review Actions, Resources and Responsibilities
To collaborate and share in professional learning activities that explore and develop elearning (communication, collaboration and content creation)	Continue to develop a supportive and professional school that explores learning together.	Share ideas, approaches and resources on the schools' elibrary
	Use an increasing range of digital technologies to support teaching and learning	Collaborate to develop strong partnerships within teams and across the school
	Ensure teachers and support staff have the digital literacy skills to meet most of the children's learning needs.	Explore networks and online resources and environments such as interactive white board sessions

Beyond Classroom:

Teachers, Students and school are engaging with and sharing learning with the community

Explicitly teach and develop digital citizenship skills and Cybersafety	Teacher modelling responsibilities for students and developing school Cybersafety Agreement. Set up class 'rules' around the use of the internet
Ensure staff continue to have an input into the school vision for elearning	Work with staff to review and develop elearning guidelines which are driven by students' achievement.
Review elearning guidelines periodically	Ensure we have a shared vision of skills children need, for example managing files, folders (retrieve, name and copy) use of Microsoft Word, Excel and PowerPoint etc.

OLD DISJOINTED WAY



NETPRO EDUCATIONAL TECHNOLOGY FRAMEWORK



RETHINK THE WAY YOU THINK EDUCATION MANAGEMENT USING ICT

Imagine a completely unified platform that enables you to manage every administrative and learning aspect of your educational institution.

NetPro provides tools from paperless pre-admission, student management, learning management, financial management, identity management, document management, campus recruitment to alumni management. It also offers educational institutions with monetization opportunities through optional modules such as E-commerce. Our current customer base spans from small ballet classes (20+) to large universities (10,000+), which makes the solution extremely versatile and scalable.

TERMS

Contract Terms, Pricing, Ownership of Intellectual Property, Representations and Warranties will be discussed and agreed with management of YOUR SCHOOL from a strong ethical, moral and best-practice stand-point with no hidden agendas (which happens to be the norm for most software solution providers). We have proof and strong evidence of this and will be willing to discuss this further with you.

Our alliance with a network of strong partners will guarantee savings for the institution in a wide range of other related technology products and acquisitions including guaranteed aggressive reduction in the cost of Internet bandwidth.

We look forward to further discussions and necessary approvals to implement these unique and innovative set of solutions and services. Our project(s) are executed with precision and will be handled with the deserving level of professionalism.

We look forward to a mutually beneficial engagement.

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