

**Sri Lanka Institute of Advanced Technological Education Higher National
Diploma in Information Technology**



Proposal

(Effect of Technology on Education in Sri Lanka)

By

G.R.K.Sasikala - ANU/IT/2021/F/0056

Kaushalya Supuni- ANU/IT/2021/F/00109

Technical Writing

Lecturer:

Pavithra Darshani

Academic Year:

2021 Year: 1, Semester 02

(Submission Date- 2023/July/06)

Table of Content

- 1) Summary
- 2) Purpose Of the proposal
- 3) Explain the solutions
- 4) Introduce the authority
- 5) Discuss the budget
- 6) References

1) Summary

Effect of the information and communication in Sri Lanka education sector. Current status of the effect of the information and communication technology on higher education institute like state universities, private campus, universities etc. computer technology and the internet started to play a big major role in Sri Lankan education sector. Instead of traditional teaching and learning method, new technology was introduced into the Sri Lankan higher education sector to produce undergraduate and graduates that can complete with the rapidly changing world. Today technology plays a very important role in our life. It's seen as a basis of growth of an education. An education which is poor technology can never in today's scenario. This is because technology makes our work much easier and less time consuming. The effect of technology can be felt in every possible field one such field in education.

Technology affects the society in so many positive and negative ways that includes the education sector too. Technology has greatly affected and impacted the way things are presented and taught in the class room, this paper focuses to elaborate those impacts. Technology has revolutionized the field of education. Students not only have computer and help in college work, they have easy access to research tools and other related materials, while teachers use technology to improve the impact of the lessons. Technology is a powerful tool that has changed how teachers teach and how students learn. It has provided people with access to education and access to different ways of communication and working together.

In recent years, technology has revolutionized various aspects of our lives, and the education sector is no exception. This proposal highlights the need to embrace technology in Sri Lankan education, discusses its potential benefits, and outlines a comprehensive solution to integrate technology effectively. By leveraging technology, we can create a modern and inclusive education system that prepares students for the challenges of the 21st century

2) Purpose Of the proposal

The purpose of this proposal is to advocate for the integration of technology into the Sri Lankan education system, thereby enhancing the overall quality and accessibility of education. The proposal aims to provide policymakers, educational institutions, and relevant authorities with a detailed plan for adopting and implementing technology in classrooms, curriculum development, teacher training, and infrastructure improvement. By doing so, we can equip students with the necessary digital skills and empower them to thrive in an increasingly technology-driven world.

3) Explain the solutions

✓ Infrastructure Development

The integration of technology has had a significant impact on infrastructure development in Sri Lankan education, transforming traditional classrooms into modern, technology-driven learning spaces.

- I. **Digital Connectivity:** Technology has facilitated the establishment of reliable internet connectivity across Sri Lanka, enabling schools and educational institutions to access online resources, collaborate with international partners, and implement digital learning platforms. The development of broadband infrastructure and the availability of mobile internet have made it easier for students and teachers to connect to educational content and resources.
- II. **Computer Labs and IT Facilities:** Infrastructure development has led to the establishment of computer labs and IT facilities in schools and colleges throughout Sri Lanka. These facilities provide students with hands-on experience in using computers, learning software, and accessing online educational materials. Students can acquire digital literacy skills and engage in interactive learning experiences through various educational software and online platforms.
- III. **Online Learning Management Systems:** Infrastructure development has led to the implementation of online learning management systems (LMS) in Sri Lankan educational institutions. LMS platforms provide a centralized digital space for students and teachers to access course materials, submit assignments, participate in discussions, and track their progress. LMS platforms streamline administrative tasks, facilitate communication between teachers and students, and promote efficient content delivery.

✓ Curriculum Enhancement

It involves incorporating new knowledge, skills, and teaching methods into the curriculum to keep it up-to-date with the changing needs of society and the advancements in technology.

- I. **Digital Learning Resources:** Technology has made it possible to access a vast range of digital learning resources such as e-books, educational websites, online courses, and interactive multimedia materials. These resources can be integrated into the curriculum to supplement traditional textbooks and provide students with engaging and interactive learning experiences.

- II. **Skill Development:** The advancement of technology has brought about changes in the skills required in the workforce. To address this, the curriculum can be enhanced to incorporate skills such as digital literacy, coding, data analysis, and critical thinking. Integrating these skills into the curriculum equips students with the necessary competencies to thrive in a technology-driven world.
- III. **Access to Information:** Technology has expanded access to information, breaking down geographical and socioeconomic barriers. Students can access a wealth of knowledge and diverse perspectives through the internet, online databases, and educational platforms. This broadens their understanding of various subjects and encourages independent research and critical thinking.
- IV. **Assessment and Feedback:** Technology provides tools and platforms for innovative assessment methods such as online quizzes, simulations, and digital portfolios. These methods allow for immediate feedback and ongoing evaluation, enabling teachers to identify areas of improvement and tailor instruction to meet individual student needs.

✓ Teacher Training and Professional Development

It is crucial for teachers to continuously develop their pedagogical techniques, subject knowledge, and understanding of innovative teaching methods to provide quality education to students.

- I. **Online Training Platforms:** Technology has facilitated the creation of online training platforms, allowing teachers to access professional development courses, webinars, and workshops remotely. These platforms provide convenience and flexibility, enabling teachers to engage in self-paced learning and acquire new skills without geographical constraints.
- II. **Virtual Collaboration:** Technology has enabled teachers to collaborate and share best practices through virtual platforms. Online forums, social media groups, and video conferencing tools have made it easier for educators in Sri Lanka to connect with peers, exchange ideas, and learn from each other's experiences. This virtual collaboration fosters a sense of community and encourages professional growth.
- III. **E-Learning Resources:** Technology has opened up a vast array of e-learning resources for teacher training and professional development. Online modules, instructional videos, educational websites, and digital libraries offer teachers in Sri Lanka access to diverse educational materials, research papers, and teaching resources. This empowers educators to explore new teaching methodologies and incorporate innovative techniques into their classrooms.

- IV. Virtual Reality (VR) and Augmented Reality (AR): VR and AR technologies are transforming teacher training and professional development in Sri Lanka. Educators can experience immersive simulations, virtual classrooms, and interactive learning environments, which enhance their understanding of pedagogical concepts and help them develop innovative teaching strategies. VR and AR also allow teachers to simulate challenging scenarios and practice classroom management techniques in a safe and controlled environment.

✓ Accessible Digital Learning Resources:

Educational materials and resources that are made available to students through digital means, such as computers, tablets, and the internet. These resources are designed to enhance the learning experience by providing interactive and engaging content, facilitating independent study, and accommodating diverse learning needs.

- I. Increased Reach: Technology has extended the reach of education beyond traditional classroom boundaries. Students from remote areas or disadvantaged backgrounds now have the opportunity to access high-quality learning resources through online platforms. This has helped bridge the educational divide between urban and rural areas.
- II. E-Learning Platforms: Various e-learning platforms have emerged, offering a wealth of educational content in the form of videos, interactive modules, quizzes, and e-books. These platforms provide students with self-paced learning opportunities and the flexibility to study at their own convenience
- III. Interactive Learning Experiences: Technology offers interactive and immersive learning experiences through multimedia elements, simulations, virtual reality (VR), and augmented reality (AR) applications. These resources engage students and make learning more enjoyable and effective.

4) Introduce the authority

This proposal is presented by Sri Lanka Institute of Advanced Technological Education, a recognized institution dedicated to fostering innovation in education. With a team of experienced researchers, educators, and technology experts, Sri Lanka Institute of Advanced Technological Education is committed to driving positive change in Sri Lankan education through technology integration. By partnering with relevant government bodies, educational institutions, and stakeholders, we aim to implement this proposal and transform education in Sri Lanka

5) Discuss the budget

The estimated budget for this proposal,

By

G.R.K.Sasikala - ANU/IT/2021/F/0056

Kausalya Supuni- ANU/IT/2021/F/00109

Resources	Cost
Mouse	Rs.1500
Keyboard	Rs.1500
Print out	RS.900

Rs.3900

6) References

1. C. Hewagamage, K. P. Hewagamage, A Framework for Enhancing ICT Competency of Universities of Sri Lanka, International Journal of Emerging Technologies in Learning, Vol 10, 5, 45-51, 2015.
2. Ministry of Education (2013) Education first Sri Lanka Battaramulla: Ministry of Education
3. Apple (2002), Apple Computer, Inc. The Impact of Technology on Student Achievement: A Summary of Research Findings on Technology's Impact in the Classroom.
4. AACE, 16(1), 77-92 Stratham, D. S. (1996). Computers in the Classroom: The Impact of Technology on Student Learning Boise ID: Army Research Institute