

Project Title

Transforming Ophthalmic Education Through Digital Content Development Through e-Studio

Project Lead and Members

Project Lead(s): Dr Thiyagarajan Jayabaskar

Project Members: Rhonda Law, Shirley Ngiam, Qwek Chin Ming, A/Prof Anshu

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Organisation(s) Involved

Singapore National Eye Centre

Healthcare Family Group(s) Involved in this Project

Medical

Applicable Specialty or Discipline

Ophthalmology

Aim(s)

SNEC education team has developed a strategic plan (EYETRAIN) that aims to develop an eLearning knowledge portal for ophthalmic education to offer structured, competency-based content of various eye care training through an online platform to develop future-ready ophthalmic professionals. A team was formed to develop a solution to handle the demand for pre-recorded presentations videos, live streaming, webinar video production and conversion of educational teaching materials into online content.

The team developed the E-production studio, which aims to facilitate the training of healthcare professionals by providing a proper facility that can be used for e-learning production to ensure that training and continuous learning programmes are available in times of epidemic crisis, especially in unsettling times of the current COVID-19 situation.

Background

See poster appended/ below

Methods

See poster appended/ below

Results

See poster appended/ below

Lessons Learnt

See poster appended/ below

Conclusion

See poster appended/ below

Additional Information

See poster appended/ below

Project Category

Training & Education, Education Platform, Virtual Learning Platform,
Learning Approach, Microlearning, Self-directed Learning

Keywords

EYETRAIN, Ophthalmic Education, e-Production Studio, e-Learning Production, Online
Platform, Digital Learning Content, Content Delivery, Learning Management System

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Transformation of Ophthalmic Education into Digital Content through e-studio

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INTRODUCTION

When the COVID-19 virus hit Singapore, all training programmes were suspended as face-to-face interaction was not permitted, and only essential patient care service was allowed. Our education department's fellowship, residency and undergraduate medical training programs were greatly affected. The local and overseas conferences have also been halted, significantly impacting faculty and workforce knowledge development. A new method was needed to **conduct the training and new ways to teach the learners and share knowledge and skills to cope with the new normal.**

SNEC education team has developed a strategic plan (EYETRAIN) that aims to develop an E-learning knowledge portal for ophthalmic education to offer structured, competency-based content of various eye care training through an online platform to develop future-ready ophthalmic professionals. A team was formed to develop a solution to handle the demand for **pre-recorded presentations videos, live streaming, webinar video production and conversion of educational teaching materials into online content.**

BACKGROUND

The project started within the Education Development Unit, Training and Education Department. The E-production studio idea was conceptualised to **support the trainers and trainees to continue their training** even during COVID-19 restrictions to keep up the knowledge and workforce development. The team comprises an AV specialist, a graphic designer, 2 instructional designers and an administrator to handle the day-to-day operational work.

A production studio was set up using a vacated conference room at bowyer block and equipped with technology such as a green screen for chroma key production, easily accommodating up to 2 hosts or interviewees. The studio has helped to produce voice annotated presentations (VAPs), pre-recorded presentation videos, live panel discussions, webinars and masterclass programmes since it was established. The work of e-studio is ongoing in developing more digital learning content and supporting the training and staff engagement through its various content delivery methods.

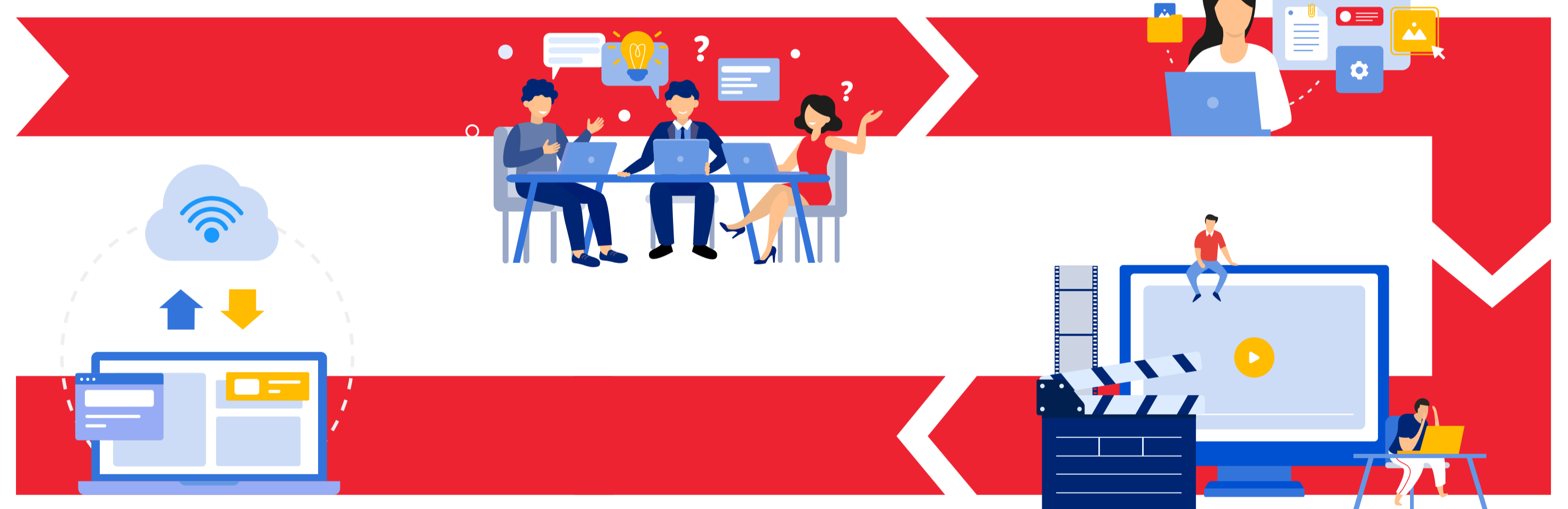


OBJECTIVE

The team developed the **E-production studio**, which aims to facilitate the training of healthcare professionals by providing a proper facility that can be used for **E-learning production** to ensure that **training and continuous learning programmes** are available in times of epidemic crisis, especially in unsettling times of the current COVID-19 situation.

STRATEGY FOR CHANGE/INTERVENTION

- 1 Faculty and trainers** arrange a consultation with **e-studio team** to develop micro-learning contents to form a course module and swapped to be used in a different training program.
- 2 Instructional Designers and Graphic Designer** help in the content creation and storyboarding development.



- 3 Video Production and Post Production** such as Animation, Graphics, Video, Photos, Voice annotation and a host of other innovative presentation capabilities to enhance any presentation.
- 4 After review and approval by SME,** it will be uploaded to **Learning Management System or Video Management System**
 - E-learning content and materials
 - Patient Education Video
 - Re-usable content for training purpose

MEASUREMENT OF CHANGE AND IMPACT

We are measuring the impact of the e-studio based on the feedback from the participants using the e-studio features, feedback on the contents developed through the e-studio. Overall, the feedback has been positive and still, there are things to be improved like internet instability during live streaming, better graphical elements to be incorporated in the E-learning contents. These are based preliminary assessments and we hope to have better learning analytic and feedback collected for the E-learning content developed through the e-studio.

Capabilities of e-studio



Impact by e-studio

COMPLETED WEBINARS

- Allied Health/Nursing Talk for World Glaucoma Week
- SNEC Education Town Hall 2021
- Neuro-Ophthalmology Masterclass 2020
- Neuro-Ophthalmology Masterclass 2022

Nurses Day 2021 & 2022

- Nursing EDC Webinar
- SNEC GO Glaucoma
- SNEC GO Retina
- SNEC GO Cornea
- SNEC GO Neuro-Ophthalmology



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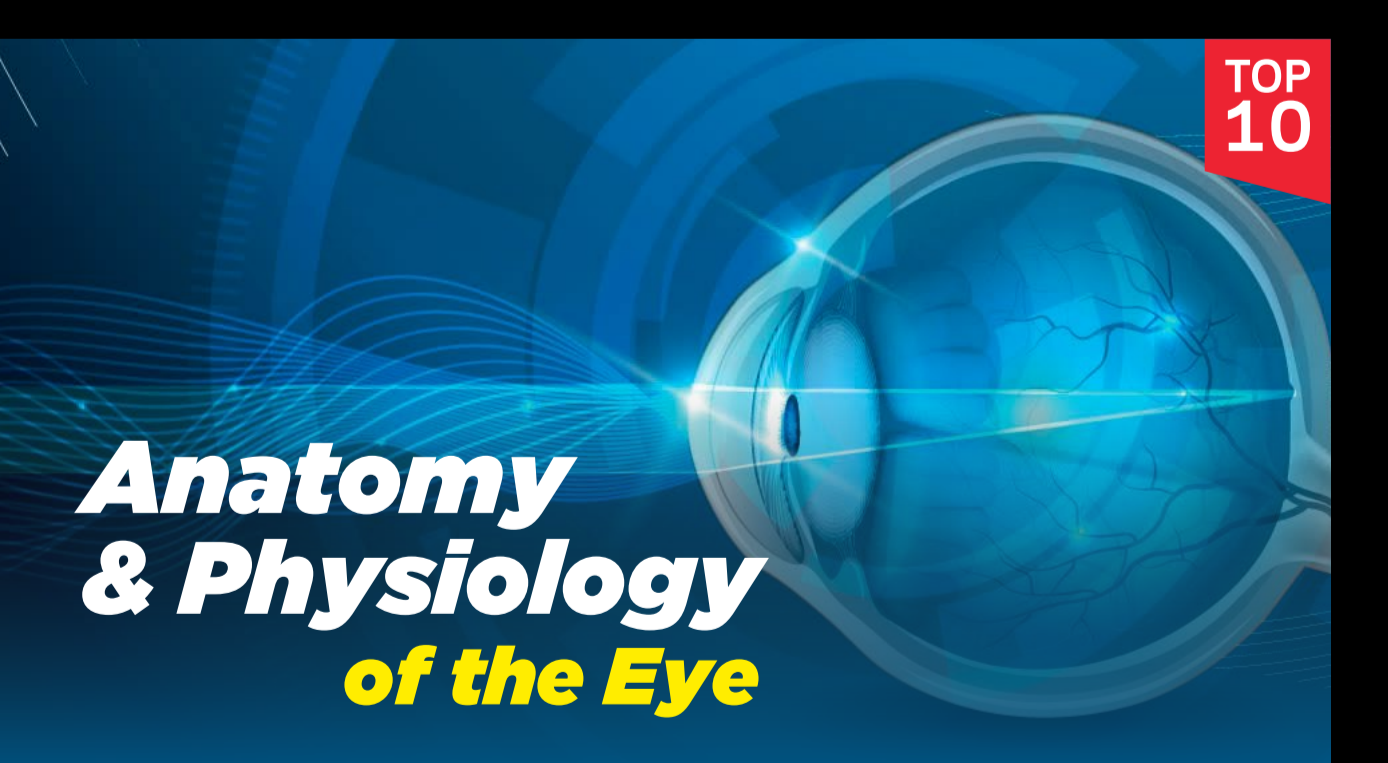
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YEMEN

5101
ATTENDEES

SCALE UP

netflix of ophthalmology



▶ Play

The team is working to develop a digital repository that would help disseminate the learning content through the learning management system in a more learner-centric way, like the Netflix model of learning content delivery.

Short Courses

