LEARN
Lanka Education and Research Network

Operations Update

Annual NOC Meeting
on 14th & 15th of Dec 2023
Wathsala Dayananda (Operations Manager)
Shashini Withanage (Asst Projects & Solutions Manager)

LEARN

Lanka Education And Research Network (LEARN), the National Research and Education Network (NREN) of Sri Lanka, was established as a Limited by Guarantee Company in 2009

LEARN's operations are governed by The Articles of Association.

LEARN is Managed by the 18 Board of Directors, each representing Full Member Institute
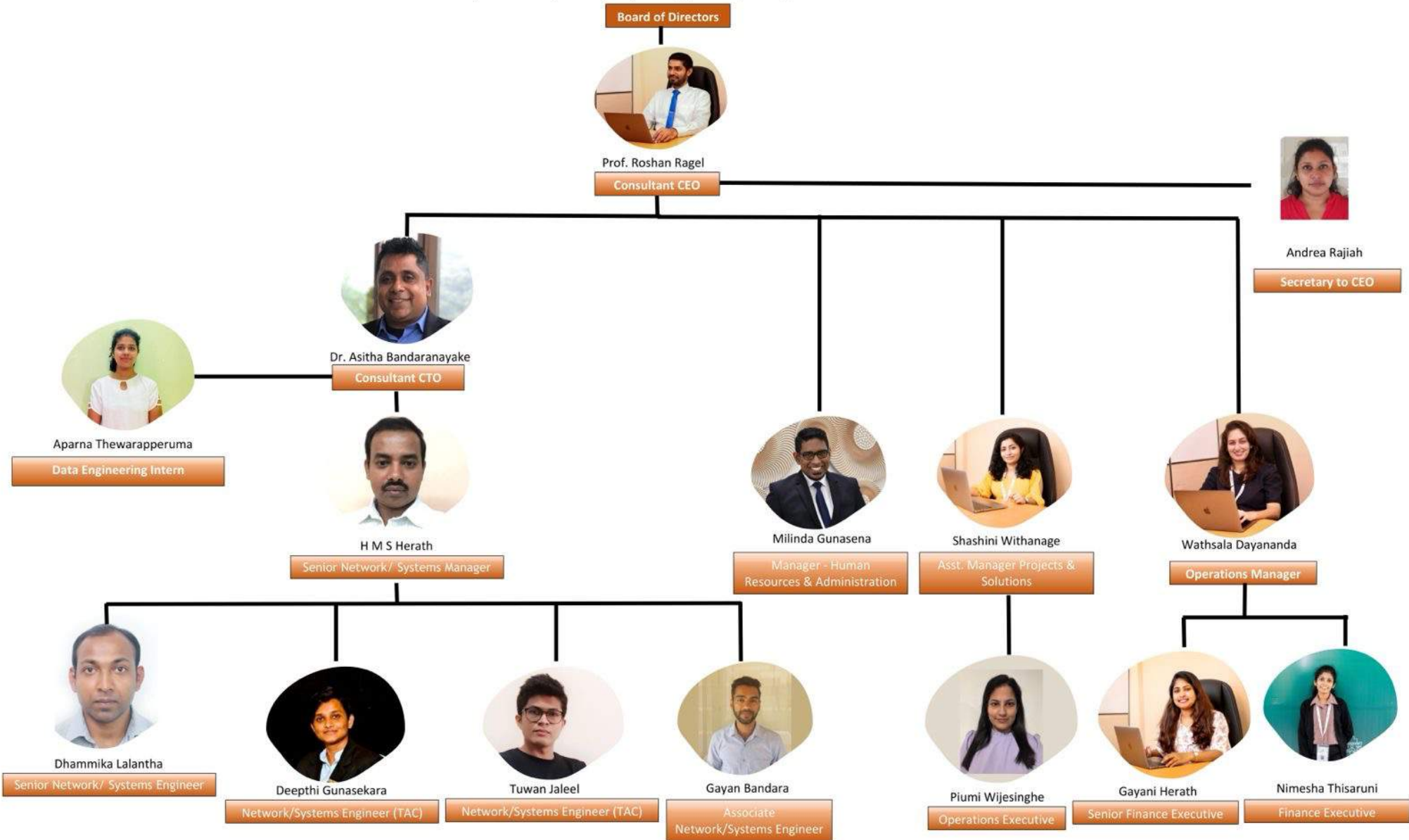
Full Members	18
Associate Members	16
Affiliate Members	25
Total	59

LEARN Operational Model
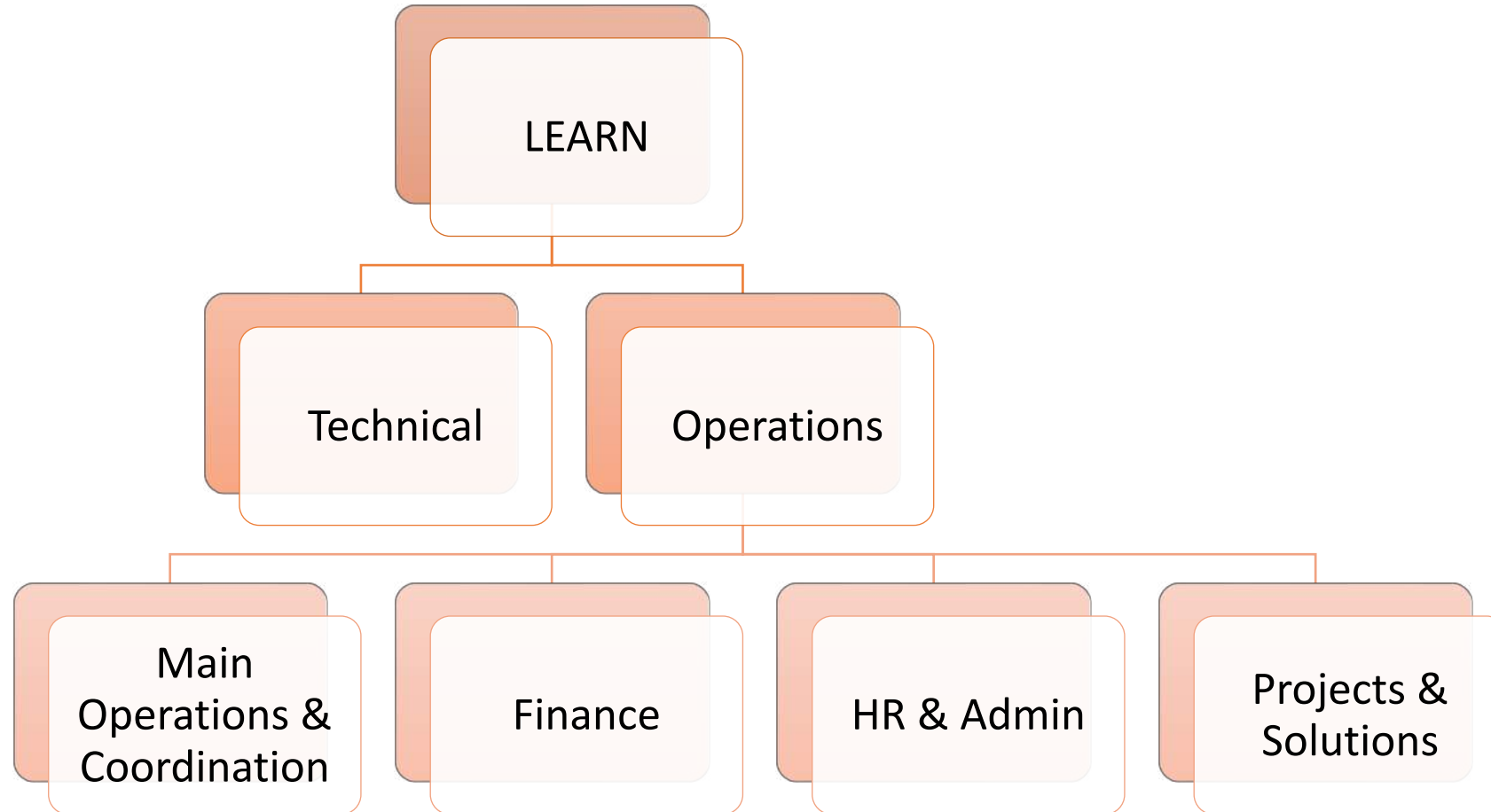
Meet the Team

The Board of Directors (BoD) of LEARN consists of eighteen members, representing each of the seventeen full-member institutions. The BoD is chaired by the representative of the University Grants Commission. Each director holds office for a period of one year. They may be re-appointed by the respective full-member institutions for further terms.

Board of Directors

Prof. Roshan Ragel
Consultant CEO

Andrea Rajiah
Secretary to CEO

Dr. Asitha Bandaranayake
Consultant CTO

Aparna Thewarapperuma
Data Engineering Intern

H M S Herath
Senior Network/ Systems Manager

Milinda Gunasena
Manager - Human Resources & Administration

Shashini Withanage
Asst. Manager Projects & Solutions

Wathsala Dayananda
Operations Manager

Dhammika Lalantha
Senior Network/ Systems Engineer

Deepthi Gunasekara
Network/Systems Engineer (TAC)

Tuwan Jaleel
Network/Systems Engineer (TAC)

Gayan Bandara
Associate Network/Systems Engineer

Piumi Wijesinghe
Operations Executive

Gayani Herath
Senior Finance Executive

Nimesha Thisaruni
Finance Executive

Internship Programmes

Students in Member institutes are given priority to complete their internship requirements as coursework.

Operations Interns – 2 positions

Operations and Admin – Mohammed Atheef

Finance - Vacant

Technical Interns – The number of Positions vary

Data Engineering - Aparna Thewarapperuma

Web Developer – Chamudi Narangoda

Cloud Engineering – Mahela Bandara

Cloud Engineering – Yojith Sandaruwan

Technical Division - Dinali Samarawickrama

LEARN as an ISP

- NRENs are specialized ISPs
- LEARN is licensed by the Telecommunication Regulatory Commission (TRC) of Sri Lanka as an Internet Service Provider (ISP).
- The License is renewed every 5 years.

- LEARN is more than a regular ISP and provides several services along with the membership and the LEARN Network (VPLS+IA) Connection.

LEARN Services

- DNS: .ac.lk domain name and Domain Name Server(DNS) hosting/managing

- Email: mail relay between LEARN network and outside.

- LEARN Technical Assistance Centre (TAC) services.

- International and Local training programs/workshop.

- LEARN eduID to staff and students of the member institutions

- Network connection (low latency and cost effective) at concession rate

  - eduGain (LIAF, liaf.ac.lk)
  - Eduroam subscription and access federation
  - Voice over IP (VoIP) services.
  - Free backup link to all high bandwidth subscribers

International Stakeholders and Projects

EduID Vs ICE Project

Monthly creation of eduID Accounts
April of 2020 to December of 2023

ICE course phase1 | ICE course phase 2 | ICE course phase3

eduID accounts
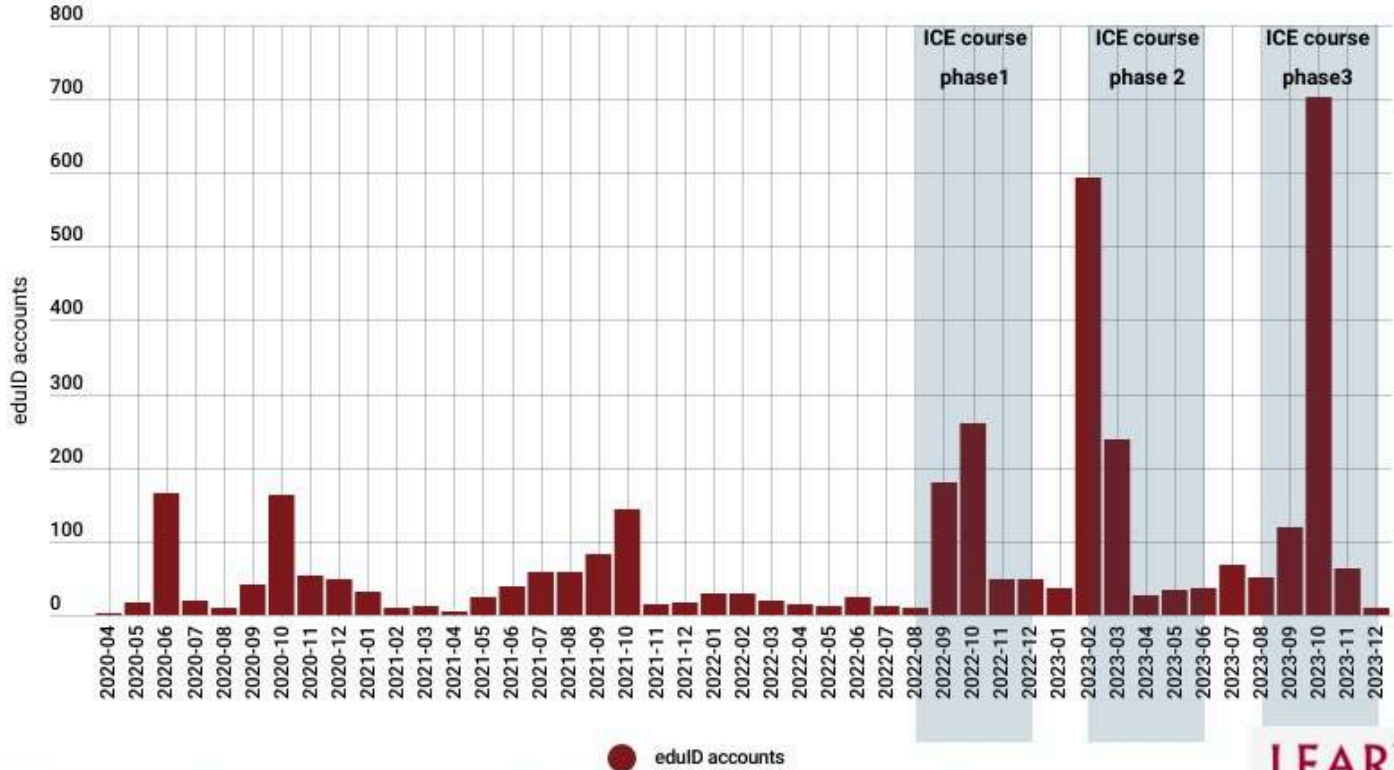
eduID accounts

LEARN collaborates with Indonesia Cyber Education Institute (ICE) to provide free online courses for Sri Lankan undergraduate students and university staff; access is available exclusively to those with an eduID account
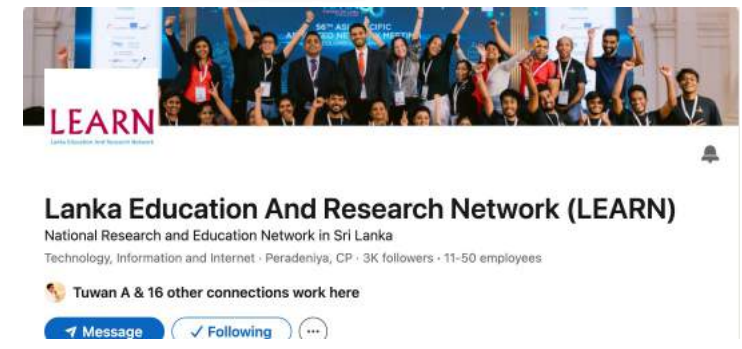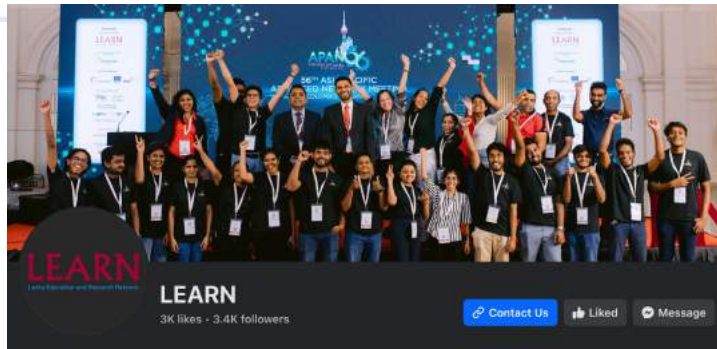
LEARN

Made with infogram

eduID.LK
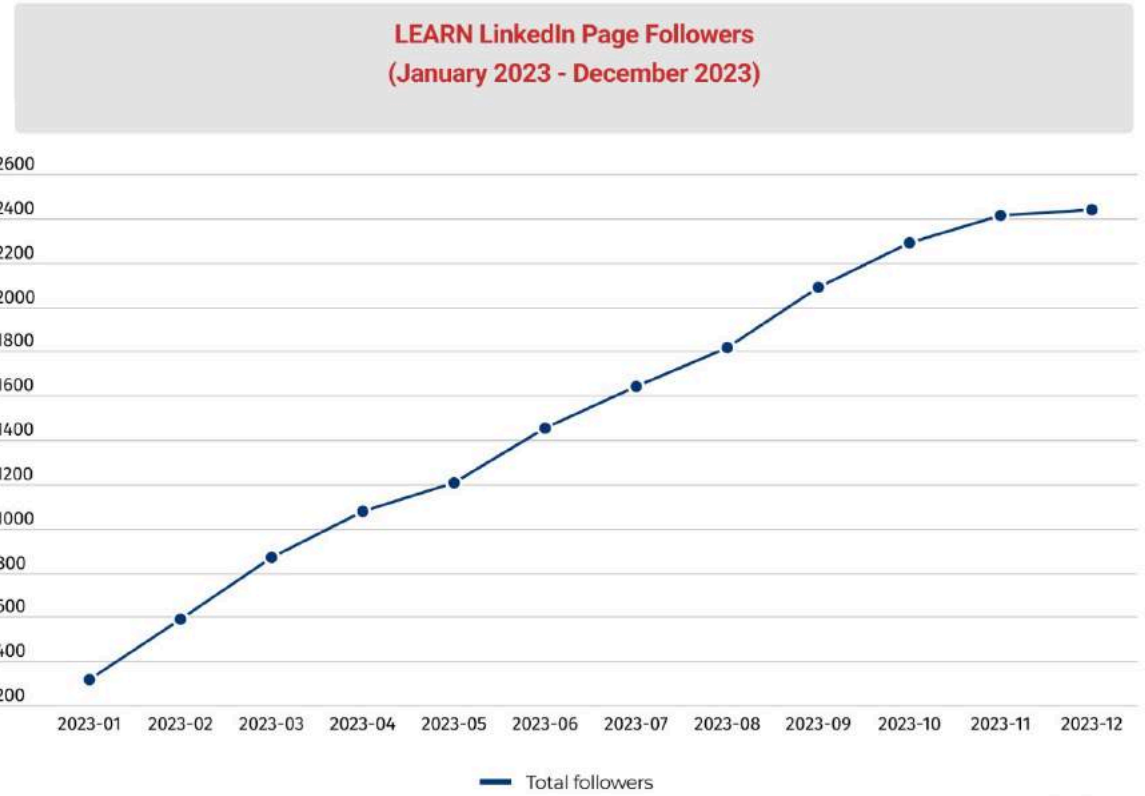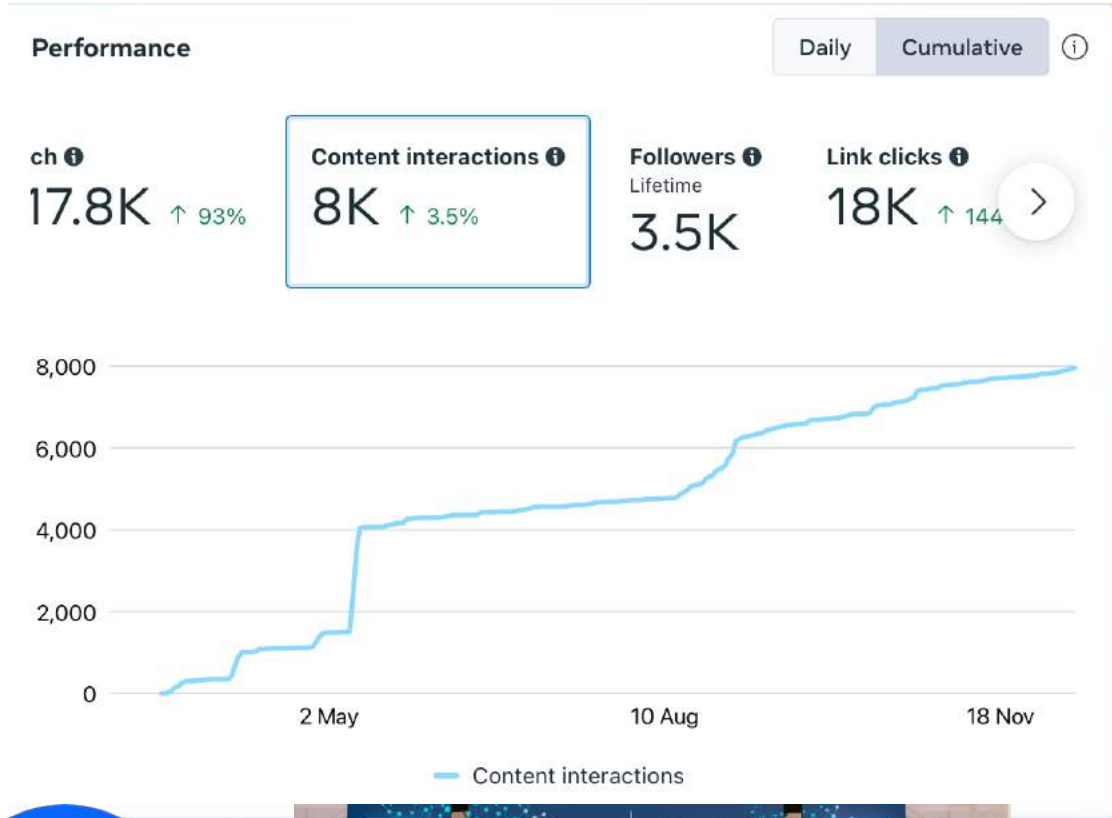
INDONESIA CYBER EDUCATION INSTITUTE

Publications & Promotions

- LEARN Newsletters - Annual publication at the AGM
  - Available on the LEARN website under publications

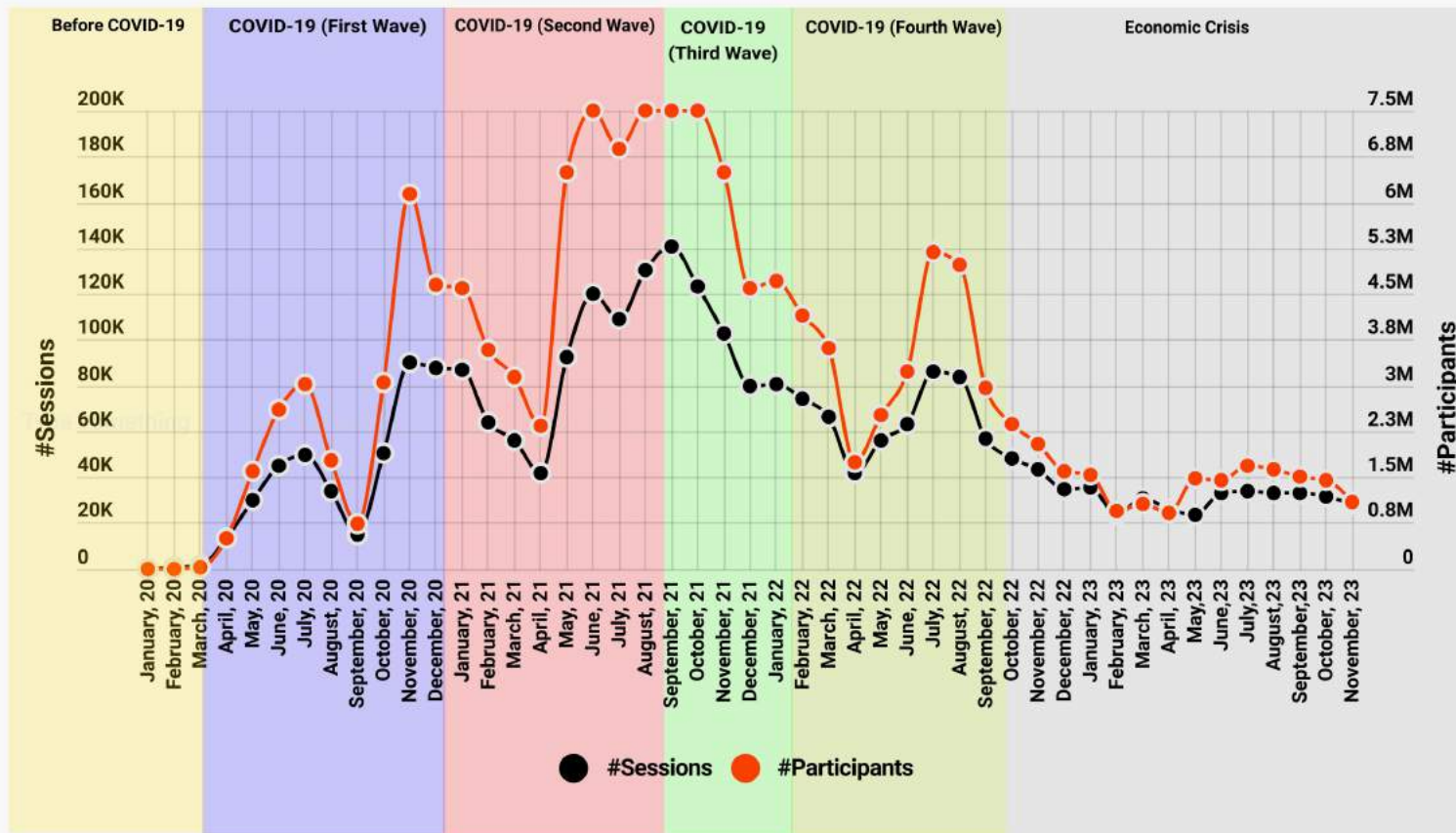- Nexus – Published at APAN56
  - Available on APAN56 website

Publications & Promotions

Monthly Video Conferencing (LEARN.Zoom) Activities
January, 2020 - November, 2023

- Inception in year 2020
- Lifeline for the education during covid period
- Highest usage during 2nd and 3rd wave of covid pandemic
- Adopting to new with online education
- Extending the service for a concession rate to LEARN members

Zoom concession rate

Zoom account type	Regular Price (on the web)	Concessionary rate through LEARN
300 participant Premium account	199.90 USD per account per annum	12 USD per account per annum
500 participant large meeting addon	600 USD per account per annum	215 USD per account per annum
1000 participant Webinar addon	3,400 USD per account per annum	1,279 USD per account per annum

(Will be billed according to CBSL exchange rate on the day of the invoice)

DTEN units

- Year 2020
- 17 units
- Cost – 25 Million

Workshops (2019 – 2023)

No.	Workshop	Online/ Physical	Year
1	Campus Network Best Practices Workshop	Physical	2019
2	Facilitating Distance Learning using Digital Conferencing Facility [fDLuDCf] - The First Train the Trainer Program	Physical	2019
3	A Seminar on Facilitating Digital Conference Service to LEARN R&E Community	Physical	2019
4	TRANSITS I training course (on-line) for LEARN Members	Online	2020
5	Institutional Workshops on Facilitating Digital Conference Service to LEARN R&E Community - UoM	Physical	2020
6	Identity Access Management Workshop 2020 Feb	Physical	2020
7	Workshop on Journal Selection Tools and Authentic Sources for Scientific Publication	Online	2020
8	Online Seminar on R&E Tools and Applications powered by LEARN	Online	2020
9	EduID Introduction - FHCS EUSL	Online	2020
10	Online Workshop on Enabling Federated SSO Login for Web based Applications	Online	2021
11	Workshop on Network/Systems Monitoring	Online	2021
12	Network Security and Performance Workshop - UPROUSE with LEARN	Online	2021
13	DNS/DNSSEC Workshop - UPROUSE with LEARN	Online	2021
14	Workshop on Tuning up Campus Network	Online	2022
15	Network Management and Measurements Workshop	Online	2022
16	Campus Systems Linux Essentials Workshop	Physical	2022
17	Workshop: Moodle Administration Essentials 2023 Feb	Physical	2023
18	Identity Access Management Campus Essentials Workshop	Physical	2023
19	Training Workshop for NREN Engineers: Virtualization and Installation of On-Prem Video Conferencing Platform	Physical	2023
20	All about conducting online tests with the Moodle learning management system	Online	2023
21	Workshop on containerization (Dockers, Kubernetes) and annual NOC meeting	Physical	2023

LKNOG 6 (2022)
Lanka Network Operators Group

5 seats

Offered to LEARN member institutes

APAN56
(56th Asia Pacific Advanced Network Meeting) (2023)

- From 21st - 25th August 2023 in Colombo
- Total participants
- 390 = 282 (Foreign) + 108 (Local)
- Total physical participants
- 199 = 123 (Foreign) + 76 (Local)
- Conducted 80 sessions

34 seats

Offered to LEARN member institutes

SANOG 40 | LKNOG 7 (2023)
40th South Asian Network Operators Group

5 seats

Offered to LEARN member institutes

Thank you

Any Questions?