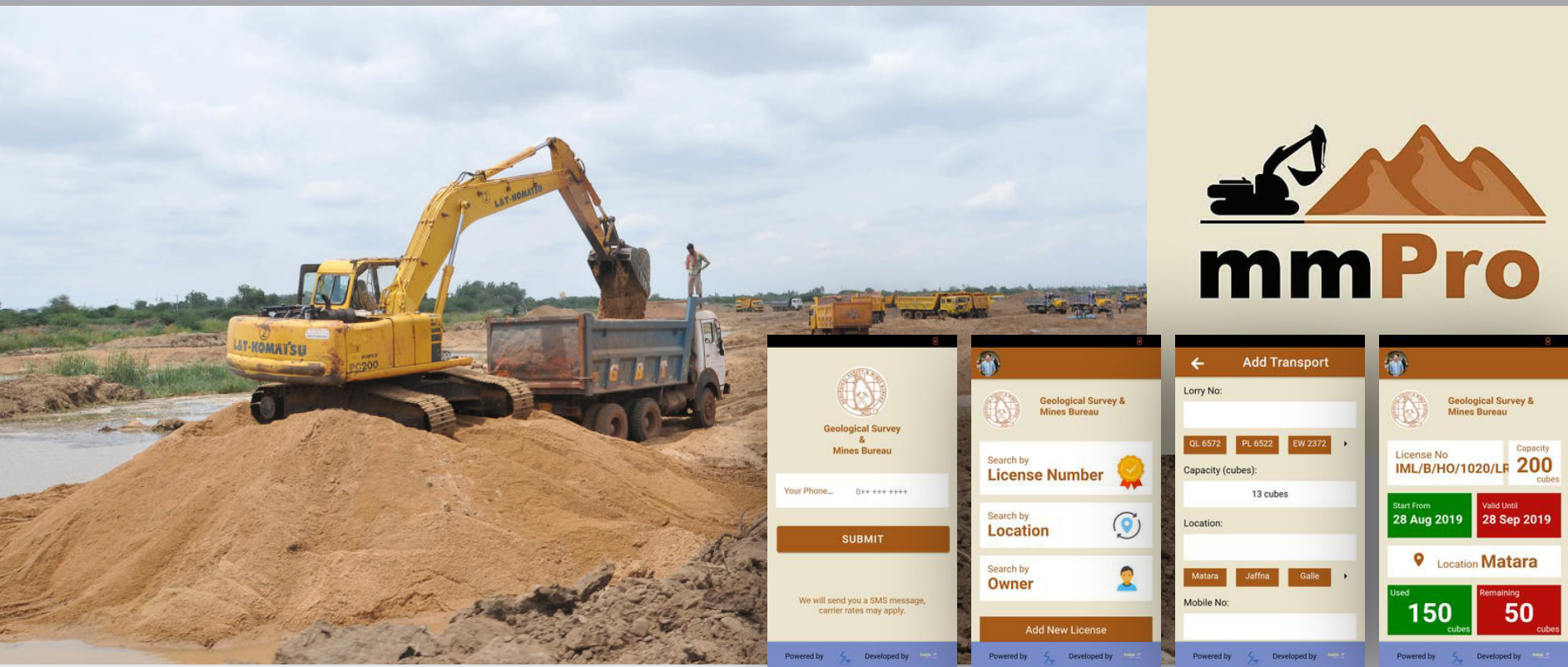


Workshop on

## Sri Lankan Mining Industry and Its Future with Digitization



Mining & Mineral Industry in Sri Lanka directly contributes to the country's development as a means of supplying materials which need for infrastructure construction and the industry produces construction materials such as sand, gravel, soil by extracting from nature. This industry is very sensitive to its external business environment, especially sand mining has more fluctuations in its business operations as it affects nature more. Also, the environmental pressure groups, the general public and as well as politics get into the influence of this industry. Hence, the Geological Survey and Mines Bureau (GSMB) was incepted with the responsibility delegation to be the regulatory body for the industry. GSMB primarily monitors and controls the mineral mining business with license issuance. Maintaining the licensing system manually is a cumbersome task to GSMB as well as the businessmen who are involved with the mining. Hence, considering the process efficiency, Sri Lanka Telecom with GSMB trailed out the Mineral Production (mmPro) Monitoring Solution which can operate using web, mobile application and via SMS. This solution has the competency to keep records, verifies and validates sand dispatch data against issued mining licenses. Furthermore, it should be noted that the management staff at sand mining sites use the mobile-only ERP system known as Welithota Application which works offline with the mobile only database. This application provides management staff to record their daily operations of sand mining sites. This workshop at MERCon 2020 aims to increase the awareness and acknowledgement about these two applications along with other initiatives among the stakeholders of the mining and mineral industry as this approach has revolutionized the industry which was technologically unattained and uncared for. Also, these applications have yielded promising outcomes which help to the long term sustainability of the industry.

Time	Agenda	Resource Person(s)
9.00-9.30 am	Keynote speech: "Developments in the Adoption of Digital Technology in the Mining Industry"	Mr. Hemalal PVA, Senior Lecturer, Earth Resource Engineering, University of Moratuwa
9.30 – 10.00 am	mmPro & Welithota Product Demonstration	Tharika Weerakoon, Sabaragamuwa University of Sri Lanka Nimesh Madhushka, Aasa IT Solutions
10.00 – 10.30 am	Guest speech: "Where are we in ICT in Sri Lanka? How to utilize the same for the Mining Industry?"	Dr. Supunmali Ahangama, Senior Lecturer, Faculty of Information Technology, University of Moratuwa
10.30 – 11.00 am	Plenary Discussion	Panel: Lead - Mr. Sumith Gamage, Aasa IT Solutions Mining Industry: Mr. Hemalal PVA, UoM Digitization: Dr. Supunmali Ahangama, UoM Infrastructure: Roshan Dayaratne, SLT Software: Nimesh Madhushka, Aasa IT Solutions

### Target Audience

Academia, Mining Engineers, Mining License Holders, GSMB Officers, GSMB Technical Service Staff, Law Enforcement Officers, Environmentalist, Students & others interested on the digitization in mining industry

### Guest Speakers:

Mr. Hemalal PVA

Department of Earth Resource Engineering,  
University of Moratuwa

Dr. Supunmali Ahangama

Faculty of Information Technology,  
University of Moratuwa

Participation is **FREE** of charge

Register @:

<https://mercon.uom.lk/workshop.html>

WORKSHOP 3

6<sup>th</sup> International Multidisciplinary Engineering Research Conference

30<sup>th</sup>  
July 2020

University of  
Moratuwa,  
Sri Lanka

9<sup>am</sup>  
to  
11<sup>am</sup>