

Dr Prabath Jayathissa

(MBBS, MSc, MD)

Post Doc Researcher



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Research Interests

- Facilitation of Health care interoperability through the Master Patient Index, Development of Minimal Clinical Dataset for the Master Patient Index, and Development of the Master Patient Index.
- EMR record linkage through HL7/FHIR, Development of the Implementation Guide (IG) for Cluster Master Patient Index.
- Integrating Patient-Generated Health Data (PGHD) into Electronic Health Records (EHR)
- Creating a connected digital health roadmap utilising strategic and innovation management techniques and Realising Universal Health Coverage (UHC) goals via strengthening national health information systems
- Bioinformatics and computational biology for investigating human health & DNA Sequencing and Next-generation Sequencing.

Education

- MD in Health Informatics, Post Graduate Institute of Medicine, University of Colombo, Sri Lanka (2021) - Thesis Title: Facilitating Primary health care interoperability through the Master Patient Index
- MSc in Bio-Medical Informatics, University of Colombo, Sri Lanka (2017)
Development of Master Patient index for Sri Lanka
- MBBS, University of Sri Jayawardhanapura, Sri Lanka (2010)

Work Experience

- Post Doc Researcher at Ludwig Boltzmann Institute Digital Health and Prevention in Austria (2023)
- Consultant in Health Informatics at the Ministry of Health Sri Lanka (2021-2022)
- MD Trainee in Health Informatics (2018 – 2021)
- MSc Trainee in Bio-Medical Informatics (2015-2017)
- General Practitioner in Clinical Medicine (2012-2022)
- Surgical and Orthopedic Surgeon in Teaching Hospital in Kalutara (2011-2017)
- Internship in Medicine and Surgery at Base Hospital in Panadura, Sri Lanka (2010-2011)
- Temporary Lecturer at Department of Anatomy, Faculty of Medical Sciences, University of Sri Jayewardenepura, Sri Lanka (2010)

Research Projects

- Development of Master Patient Index for Sri Lanka
- Minimum Clinical Dataset development for cluster master patient for primary health care interoperability.
- Smart on FHIR integration and Health Care Exchange with OpenHIE platform.
- Development of Interoperability Architecture and FHIR-IG development of Primary health care, Cluster Master Patient index.
- Primary health care information system development for PSSP Project integration with Hospital health information and management system(HHIMS), cluster master patient.
- National Digital Health Blueprint Development of Sri Lanka.
- 1390 HBCS (Home Base Covid-19 System) development implementation and evaluation.
- Development of an e-Prescription Android Mobile application to Deliver the Primary Health Care Needs During the COVID19 Lockdown in Sri Lanka

Professional and Academic Associations

- Education Sri Lanka Medical Council (SLMC): Registration No: 28200
- Sri Lanka Medical Association (SLMA)
- Health Informatics Society of Sri Lanka (HISSL): Life Member
- Asia eHealth Information Network (AeHIN)
- Healthcare Information and Management Systems Society (HIMMS)

Publications

Selected Publications

- Developing a functional prototype master patient index (MPI) for interoperability of e-health systems in Sri Lanka WGPT Jayathissa, VHW Dissanayake, R Hewapathirana
- Review on master patient index DWGP Jayatissa, PVHW Dissanayake, DR Hewapathirane
- Development of Minimum Clinical Data Set For Master Patient Index(MPI) for Sri Lankan Context Dr Prabath Jayathissa, R Hewapathirana
- Facilitating Primary Health Care Interoperability Through Master Patient Index: Recommendation of Suitable Messaging Practices for Sri Lankan State Health Sector DP Jayatissa, , R Hewapathirana
- Development of an e-Prescription Android Mobile application to Deliver the Primary Health Care Needs During the COVID19 Lockdown in Sri Lanka, AP Prabath Jayatissa, Avanthi Rupasinghe

For a complete list of publications, please refer to Google Scholar

<https://scholar.google.com/citations?hl=en&user=OBAKYfYAAAA>