

Selected Inventions for Sahasak Nimavum 2024 from iPURSE 2024 | UoP - University of Peradeniya

Institute Category

No	Reg. No	Email Address	Category	Individual or Group	Name/ s	Institute Name	Province of Residence	Invention Name in English	Technical Field
1	1	lilantha@eng.pdn.ac.lk	Institutional	Group	A. Divakaran, E.G.C.L. Amarasinghe, G.L.V.S.Bandara, Prof. Lilantha Samaranyake, Prof. Gamini Dissanayake, Dr. Nalin Harischandra, Dr. Tharindu Weerakoon	University of Peradeniya	Central Province	Self Driving Car Framework	Engineering (F11)
2	2	lilantha@eng.pdn.ac.lk	Institutional	Group	K. A. D. S. K. Kithsiri, M. R. R. D. S. N. Peiris, P. M. Galagedara, Prof. Lilantha Samaranyake, Prof. Janaka Ekanayake	University of Peradeniya	Central Province	Development of an optimal power management scheme for the grid connected and off-grid operation of hybrid inverters in Solar PV systems	Engineering (F11)
3	9	manorija@dental.pdn.ac.lk	Institutional	Group	Prof. R.M.G. Rajapakse, Prof. R.D. Jayasinghe, Prof.R.M. Jayasinghe, Ushani Karunaratne, M.H.M.A.K. Bandara, A.U. Malikaramage, C.A. Tennakoon	University of Peradeniya	Central Province	Synthesis and scaling up of the production of gypsum and hemihydrate calcium sulphate (Plaster) for dental applications from used dental products via recycling through chemical and physical processes and from local minerals.	Medicine and Pharmacy (F3)
4	14	e18325@eng.pdn.ac.lk	Institutional	Group	Dr. S.A.H.A. Suraweera (University of Peradeniya) , Prof. V.R.Herath (University of Peradeniya), Senanayake W.G.N.S	University of Peradeniya	Central Province	Visual Camera Based Localization for Radio Environment Exploration Solution	Engineering (F11)
5	15	anushkabandara41@gmail.com	Institutional	Group	Prof. J.Ekanayaka, Prof. Godaliyadda, Prof. P. Ekanayaka, Anushka Bandara	University of Peradeniya	Central Province	"Deep Learning based Novel MPPT Algorithm for Solar PV Appliances."	Engineering (F11)
6	19	e18102@eng.pdn.ac.lk	Institutional	Group	Prof Roshan Godaliyadda, Prof Parakrama Ekanayaka, Prof Vijitha Herath, M.S. Firdous	University of Peradeniya	Central Province	Harnessing Psychomotor Learning for Enhanced Skill Development and Performance Evaluation using IMU sensors	Engineering (F11)
7	31	pradeepag@agri.pdn.ac.lk	Institutional	Group	P.C.G. Bandaranayake1* I.N.S. Dewapriya2, A.J.N.M. Jaliyagoda3, P.B.G. Pathirana1, N.M.N. Liyanage 1, M.M. Kodagoda1, S.D. Lokuge1 , P.G.L.T. Dilhani 1, A.U. Bandaranayake3, W.A.P. Weerakkody2, L.K. Weerasinghe2, K.S.P. Amaratunga4 1Agricultural Biotechnology Centre, Faculty of Agriculture, University of Peradeniya. 2Department of Crop Science, Faculty of Agriculture, University of Peradeniya. 3 Department of Computer Engineering, Faculty of Engineering, University of Peradeniya. 4 Department of Agricultural Engineering, Faculty of Agriculture, University of Peradeniya.	University of Peradeniya	Central Province	Low cost low energy IoT based smart greenhouse monitoring and controlling system tested with crops.	Agriculture (F5)
8	34	rajapakshagdsp@gmail.com	Institutional	Group	P.C.G. Bandaranayake, G.D.S.P. Rajapaksha , P.M.P.C. Gunathilake, B. Nirooparaj, J.K. Vidanarachchi, B.C. Jayawardana, M.D.S.T. De Croose, I. Wijesekara	University of Peradeniya	Central Province	Developing a Simple Laboratory Method for Preparing Carrageenan-based Seaweed Powder Using Kappaphycus alvarezii as a Natural Gelling Agent in Tissue Culture	Agriculture (F5)
9	37	keshawalasith1998@gmail.com	Institutional	Group	Prof. J.Ekanayaka, Prof. Godaliyadda, Prof. P. Ekanayaka, Keshawa Lasith	University of Peradeniya	Central Province	NON-INTRUSIVE LOAD MONITORING FOR SMART GRID	Engineering (F11)
10	38	Prof. Vijitha Herath - vijitha@ee.pdn.ac.lk Prof. Roshan Godaliyadda - roshang@eng.pdn.ac.lk Prof. Parakrama Ekanayake - mpbe@eng.pdn.ac.lk, mpb.ekanayake@ee.pdn.ac.lk	Institutional	Group	Prof. Vijitha Herath, Prof. Roshan Godaliyadda, Prof. Parakrama Ekanayake	University of Peradeniya	Central Province	Dual Mode Multispectral Imaging System for Food and Agricultural Product Quality Estimation	Agriculture (F5)

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11	41	<p>Prof. Vijitha Herath - vijitha@ee.pdn.ac.lk Prof. Roshan Godaliyadda - roshang@eng.pdn.ac.lk Prof. Parakrama Ekanayake - mpbe@eng.pdn.ac.lk, mpb.ekanayake@ee.pdn.ac.lk Dr. C.D. Senanayake - cds@eng.pdn.ac.lk Dr. P. Gamage - pramilag@eng.pdn.ac.lk</p>	Institutional	Group	<p>Prof. P. Ekanayaka, Prof. R. Godaliyadda, Prof. V. Herath, Dr. C. Senanayake, Dr. P. Gamage</p>	University of Peradeniya	Central Province	<p>AI - powered Wearable Technology for Human Activity Monitoring</p>	<p>Applied Sciences and Technology (F8)</p>
12	51	<p>chmbhagya@gmail.com</p>	Institutional	Group	<p>Prof P.C.G. Bandaranayake, Dr C.H.W.M.R. Bhagya Chandrasekara, Mr H.M. Samarakoon</p>	University of Peradeniya	Central Province	<p>Authentication of Ceylon Cinnamon: A Molecular Approach for Accurate Identification</p>	<p>Agriculture (F5)</p>
13	57	<p>pmahi@agri.pdn.ac.lk</p>	Institutional	Group	<p>K. Mithila Devindi, Pradeepa C.G. Bandaranayake, C.H.W.M.R. Bhagya Chandrasekara, R. Priyantha R.G. Sanath Rajapakse, W.M.P.B. Weerasinghe, M.B.P. Kumara Mahipala</p>	University of Peradeniya	Central Province	<p>Locally provided silage inoculum</p>	<p>Agriculture (F5)</p>