

**AHEAD Results Area 3 Round 1 awarded projects and equipment to be purchased by different grants**

University Name	Faculty	Name of the Grant	Name of the project	Project Coordinator/ UBL Director	Equipment budgeted( more than 1 million)
Colombo	University of Colombo - School of computing	ICE	Incubator to Channel Expertise and Knowledge from UCSC to Business Entities Sustainably (ICE KUBES )	Prof. N. D. Kodikara	Highend Server High-end Laptop MacBook
	Faculty of Science	ICE	Strengthening of the current process of technology transfer and product development and, providing of resources to enhance the innovation and commercialization process through the Colombo Science and Technology Cell	Dr. M.N. Kaumal	Solid-state benchtop NMR Real time PCR Thermogravimetric Analyzer (TGA)
	Institute for Agro-technology and Rural Science	ICE	Improvement of aesthetic values of indigenous ornamental plants through Biotechnology	Mrs. Nisansala Vidanapathirana	Deep freezer -80 Trinocular Microscope with LCD monitor and digital Supply Dry oven Autoclave Laminar flow Cabinet Image analyzer
	Faculty of Science	RIC STEM	Automated Lightning Early warning and surge diverting system	Prof. I. M. K Fernando	Arbitrary Function Generator CNC milling machine Data acquisition Systems
	Faculty of medicine	DOR- STEM HEMS	Research Programme on Meditation Mindfulness and Health	Dr.Dilshani Dissanayake	ECG machine, Human Physiology AFT Equipment, CPET machine
	Faculty of Arts	DOR- HEMS	Situating the Interface of English Studies and the Digital in a Sri lankan Context: An Evidence-based Study of a Digital Humanities Research Laboratory in an English Studies Classroom	Dr. Dinithi Karunanayake	
	Faculty of Graduate Studies	DOR- HEMS	Promoting Green Concept in Lean Management of Manufacturing Small and Medium Enterprises (SMEs)	Prof.S.P.Premaratna	
Peradeniya	Faculty of Veterinary Medicine and Animal Science	ICE	Commercialization and dissemination of research output of the faculty of Veterinary Medicine and Animal science	Dr. M.N.M. Fouzi	LC-MS/MS system
	Agri Business Center, Faculty of Agriculture	ICE	Commercialization of the research outcome of the Faculty of Agriculture	Prof. L.H.P. Gunarathne	Texture analyzer 3D printer Laser Metal & Non-Metal cutting Machine Fermenter /bioreactor
	Faculty of Science	ICE	Proposal for Product Development, Value Addition and Commercialization of Innovations by Faculty of Science, University of Peradeniya	Prof. Darshana Yapa	Probe sonicator Hydrothermal autoclave reactor Magnetic stirrer with hotplate mV-ion meter with ion-selective electrodes Analytical balance Replacement of the graphite furnace unit and auto-sampler for AAS Ultra-high pure water purification system
	Faculty of Engineering	RIC /STEM	Smart Distribution Transformer for Voltage Regulation and Frequency Support	Prof. J.B. Ekanayake	Semikron three phase diode rectifier and three phase IGBT based inverter for smart transformer Advanced Control Kit 1104 consisting of DS1104 PPC 603e / 250 MHz controller board with 32 MB RAM, CP1104 Connector Panel Bkmedia 600 V / 8.5 A / 3 kW Multi Range DC Power Supply to emulate PV panels Programmable DC Power Supplies with Solar Array Simulation - 62050H-600S Semikron power electronic inverter with PWM filter Programmable AC Electronic Loads - 63803 Yokogawa DLM2024 Mixed Signal Oscilloscope Current probes 100A DC-100MHz (3 Nos) and Differential Voltage probe 7 kV DC-70MHz Supply and installation of 3 Nos of 2 kW solar arrays Protection relays and CTs for s-Tr Supply and installation of an energy storage system Power analyzer
	Faculty of Engineering	DOR-STEM	Development and Characterization of Cassava Starch-Based Thermoplastics for Engineering Applications	Dr. Wajira Asanga Ratnayake Manamperi	Twin screw compounding Extruder, FTIR Spectro photo meter, Simultaneous Thermal Analyzer
	Faculty of Arts	DOR- HEMS	Mathematics Education for the 21st century: Improving Teaching and Learning in Mathematics at the Junior Secondary Level in Sri Lanka	Dr S. D.K. Wijesundera	
SJP	Faculty of Applied sciences	ICE	The Center for sustainability: A commercial arm to valorize research outputs and services of the department of Forestry and Environmental Science, University of Sri Jayewardenepura	Dr. D.T. Jayewardene	UV Spectrophotometer Portable GPS Units, Drone Camera, DSLR Camera and lenses, Forestry and wildlife equipments
	Faculty of Applied sciences	RIC STEM	Nanomaterials as value addition tool in natural rubber	Dr. Narayana Sirimuthu	Raman microscope BET surface analyzer Four probe conductivity meter

	Faculty of Management studies and Commerce	DOR- HEMS	Adoption of Sustainability Reporting (SR) and Integrated Reporting (IR) and Organizational Transformation: Perspectives from Sri Lanka	Prof. Samantha Senaratne	
Kelaniya	Faculty of Humanities	DOR- HEMS	Publish the Research on 'Buddhist Cave Image Houses in Sri Lanka' by a Reputed International Publisher.	Prof. Asoka de. Zoysa	
Moratuwa		RIC STEM	Project Hornet: Commercialization of a High-Performance VTOL Drone for the Global Market	Prof. S. R. Munasinghe	LiDaR Sensor System Wind Tunnel Ground control station vehicle Benchtop CNC router lathe 3D Printer Soldering station Vacuum forming EPP moulding Drone components GPS base drone GPS CF materials
		RIC STEM	Hydrogel based footwear solutions for diabetic patients	Dr. Pujitha Silva	Foot Pressure Insoles Oven and associated equipment Finite element modelling software
		RIC STEM	Development of a Machine Vision based Fabric Quality Inspection System	Dr. Sulochana Sooriyaarachchi	high performance computers camera modules packs of compatible motorized mechanical components packs of lighting accessories
		RIC STEM/HEMS	Trilingual Translation System	Prof. Gihan Dias	GPU system
		RIC STEM	Multidisciplinary Transport Development Project	Prof. Saman Bandara	DSRC Units Sensors and other equipment for monitoring nodes
		DOR STEM	Potential of Rare Earth Elements (REEs) in Sri Lankan Onshore and Offshore Terrains and Development of Extraction Techniques	Prof. A. M. K. B. Abeyasinghe	ICP- MS
Jaffna	Faculty of Engineering	DOR STEM	Cultivation of microalgae for biolipid production, optimization of net energy and mathematical modeling of bioprocesses	Dr. Balachandran Ketheesan	GAS Chromatography with FID/TCD detector, Variable speed peristaltic and tubing
Ruhuna	Faculty of Science	ICE	Fabrication and commercialization of Newtonian reflector telescopes in Sri Lanka and upgrade and commercialization of all-sky camera unit with data reduction pipeline	Dr.W.M.K.de Silva	Solid works software Mirror Coating Machine Server Computer cassegrain telescope
		RIC STEM	Commercialization of a real time agricultural mobil-based information system ("Govi Nena")	Dr. Anusha Walisadeera	
	Faculty of Medicine	DOR STEM	Development of a putative nutraceutical for diabetes mellitus: Bioactivity and toxicological studies of nanoparticle-based formulations encapsulated with Ivy gourd (Coccinia grandis) leaf extract	Dr. Anoja Attanayake	Freeze drier, Cooling centrifuge, microplate reader with florescence+power stabilizer, micro plate washer, rotary evaporator, UV-Vis spectrophotometer
Rajarata	Faculty of Social Sciences and Humanities	DOR- HEMS	Assessing the Predisposition of Small and Medium Enterprise Sector in Developing Asian Nations towards Facing the Competitive Challenges: Case of Sri Lanka	Dr. R. P. I. R. Prasanna	
	Faculty of Medicine	DOR- STEM HEMS	Generating evidence for Ending Preventable Maternal Deaths	Dr. T. C. Agampodi	Biochemistry Analyzer, 3 Part Hematological analyzer, -70 freezer
Sabaragamuwa	Faculty of Applied Sciences	RIC STEM/HEMS	Formulation and commercialization of readily accessible food product/s for the control and prevention of diabetes mellitus	Dr. Namal Perera	HPLC with accessories freeze drier inverted florescence microscope refrigerated centrifuge with rotors
	Faculty of Agricultural Sciences	RIC STEM	Development of novel beverage types with Ceylon Cinnamon, Cinnamomum zelanicum	Prof. Devarahandhi De Silva	vacuum evaporator refrigerator soxhlet extractor milk/ alcohol analyzer spectrophotometer centrifuger autoclave wine making unit Freeze dryer
		RIC STEM/HEMS	From waste to animal protein; Black Soldier Fly Larve (Hermetia Illucens) production as a method of waste management and feed grade protein production	Dr. M. P. S Magamage	Oven batch dryer Pelleting machine Meat waste crusher Squeezer
	Faculty of Management studies and Social Sciences and Languages	DOR- HEMS	Social Capital, Transaction Costs and Livelihood Success of the Members of Community Based Organizations in Sri Lanka	Prof. H.M.S. Priyanath	

Wayamba	Faculty of Livestock, Fisheries and Nutrition	ICE	Sustaining commercialization of food product/process technology	Prof. (Mrs.) C. V. L. Jayasinghe	HPLC-DAD-RI GC- FID ECD PD UV Visible Spectrophotometer Anaerobic Chamber Gel Electrophoresis System CO2 Incubator Refrigerated Mini Centrifuger Chroma meter Homogenizer Viscosity meter
		DOR-STEM	Evaluation of selected underutilized food crops available in Sri Lanka for the formulation of functional foods designed for some chronic diseases	Dr. Prasanna Gunathilake	UPLC- MS system, Plate reader, auto clave, liquid nitrogen container
	Faculty of Agriculture & Plantation Management	DOR-STEM	An Integrated Approach to Improve the Socio-Economic & Environmental Sustainability of Intensive Agricultural Systems with Special Reference to Kalpitiya Peninsula	Dr. Dikkumburage Gimhani	Continuous floor analyzer, flame photometer, sensors, water quality meter with nitrogen probes, Fourier-transform infrared spectroscopy Analyser at MIR and NIR
Uva Wellessa	Faculty of Animal Science and Export Agriculture	DOR-STEM	Enhancement of fiber yield and quality for industrial applications using bio waste generated in Banana cultivations	Dr. Ewon Kalyadasa	Banana Extraction machine, FTIR machine, refrigerated centrifuge
VAPA	The Faculty of Dance & Drama	DOR- HEMS	"Lamp in a Windless Place" * Developing an Actor Training Methodology through Sri Lankan	Dr Saumya Liyanage	
	Faculty of Music	DOR- STEM HEMS	Roadmap to Wellness: Exploring Customized Music Therapy and Relaxation Responses with miRNAs Changes	Dr.W. K. R. R. Dias	qPCR, -80 Freezer, -20 Freezer
OPEN	Faculty of Natural Science	RIC STEM/HEMS	Promoting research, innovation & education by establishing a Fab Lab & commercialization of affordable scientific instruments through industry partnership	Dr. Gayan Illeperuma	Computer Numerical Control and accessories Data Acquisition Instruments ( 1 Highspeed + 1 Thermal + 1 Kinet) cameras + 2 leap motion sensor + 1 DAQ card) Laser Cutter Mobile Platform