

Certificate of student entrepreneur recognition					
Surname	Student email	"Business name "	What does your business do?	Field of study	Which year are you in?
Serakalala	kaserakalala@gmail.com	Enhance nature	Enhance nature aims to spear head a holistic approach to food and cosmetics production through biological agriculture and natural ingredients(plants and herbs) that come straight from mother nature. Sustainable, naturally integrated and respects the planet, without the use of synthetic chemicals or any of the modern technologies that are currently used in the food production(for monetary gains or it's monetary value as opposed to feeding the planet's population and making sure no one goes hungry) like genetic modification, which are actively proving to be dysfunctional and hazardous to human health. Our future projection involves a zero waste, circular economy model where we plan on recycling or rather upcycling our spoilt bio produce from our farms or gardens and bio scraps from households into biogas, compost(solid) and compost tea(liquid) down to the end of the consumption process where we came up with an innovative green solution for a waterless bathroom(one that uses compost as a flushing component, unlocking the potential of human excrement-turning it into compost which we will reinvest into our gardens and farms).	Metallurgical engineering	4
Mqokozi	2155076@students.wits.ac.za	Inzima Holdings	It is a property rental business that invest in property through building and buying with the purpose of renting it out to business, students, and professionals.	Social sciences (BA in Political studies, International Relations, and Philosophy)	Year two
Tau	2687229@students.wits.ac.za	Kamogelo Skin	Create skin and body care products	Geospatial science	Second
maphopha	2321699@students.wits.ac.za	BroughtCargo	It allows the spaza shops and street vendors to buy the bulk products online and get to share the cost of shipping. It is an e-commerce for spaza shops and street vendors	medicine	5th year
Tshikosi	1835981@students.wits.ac.za	HRA TRANSPORTATION	Moving services, fridge rental and storage	Bachelor of Science in Civil Engineering	Fourth Year
Segutya	2507200@students.wits.ac.za	Paradesi Learning Institute	My business is a crèche & later sees itself growing into being an independent private school that maintains the same epistemological standards setout in our school curriculum. What my business do is enhance the skills & competencies set out in our educational system. My business does	Education	4th and final year

			this basic service at an affordable tuitions rate to accommodate the prospective learners in the debilitated community nearby the institution. In essence, this business seeks, through its objectives, to cultivate the educational potential of learners so as to equip them to become social agence fit for social advancements.		
Modiba	2163122@students.wit s.ac.za	T's Satin Bonnets	I sell embroidered hair bonnets that have customised names on them . I additionally added scrunchies to my product range . My bonnets and scrunchies are tailor made .	Law	Final year , LLB
Khambule	2117136@students.wit s.ac.za	iLanga Coils	We manufacture afro hair tailored products that nourish and grow the hair. We specialize in oils and butters that are sourced sustainably in Africa	PGDip Science in Innovation and Entrepreneurship	1
Ndlovu	2393306@students.wit s.ac.za	Kwazie hair and beauty studio	I deal with hairdressing, selling frontal weaves and hair products. I also offer make up services. Lastly, I offer tutoring for all of these services	Social Sciences	Masters (1)
Kassel	2698549@students.wit s.ac.za	KasselDheWhite	Create fashion custom pieces and clothing	Geospatial science	Second year
Aziz	Asif@libex.ai	Libex	NFT	MBA	Fina Year
Nkosi	1433149@students.wit s.ac.za	proptech	Data as servis for property Dev	Msc	Final year ,

Certificate for Commercialisation Achievement	Company name	Title	Invetors
1	AltMet	PGM Recovery from Scrapped Catalytic Converters	Mr Collins Saguru, Prof Sehliselo Ndlovu
2	Peco Power	Scalable Microgrid	Mr Muhammed-Raees Dangor, Mr Muhammed Aswat, Mr Mupfumisi Maveng, Prof Willei Cronje
3	Button Optics	Structured Light Innovations	Prof Andrew Forbes, Dr Angela Dudley, Dr Abderrahmen Trichili, Dr Bienvenu Ndagano, Dr Mitchell Cox, Dr Carmelo Rosales Guzman, Mr Isaac Nape
4	SmartSpot Pty Ltd	Supplier of TB Controls	Bradford Cunningham, Prof Lesley Scott, Prof Baveshe Kana
5	Cleantouch	Antimicrobial Coatings	Dr Michael Lucas, Prof Ionel Botef, Prof Sandy Van Vuuren
6	Indoni Yamanzi Hydro Solutions Pty	Water Treatment Plant	Dr Farai Dziike
7	PIMECO	Passive AMD Sampler	Mr Kgomoiso Maiphetho, Ms Sabrina Khoosal
8	Dynamic Aerotech	Laser-Shock Peening Technology	Dr Daniel Glaser, Prof Claudia Polese
9	GreenEx	Moringa Extraction Technology	Prof Luke Chimuka, Ms Phatsimo Matshediso
10	Licensed Technology - BioGBS PTY Ltd	GBS Clinical Isolates for cell bank production (Vaccine development)	Prof Shabir Madhi
11	Licensed Technology - eThala Management Services	Energy efficient bio-ethanol recovery	Prof Neil Stacey
12	Rhisotope PTY Ltd	A method of targeting objects at least for deterrent, tracking or detection purposes	Prof James Larkin

Granted Patents - 01 January 2023 to 31 March 2024							
Inventor Name	Patent Title	Application Number	Patent Number	Country	Status	Issue Date	Total within Patent Family
Prof Michael Daramola, Mr Sandile Masondo, Ms Bongile Silinda	ACID MINE DRAINAGE TREATMENT MEANS	CA2989095	CA2989095	Canada	Granted, in force	3/21/2023	1
Prof Charles De Koning, Dr Jonas Kuhlborn, Dr Kennedy Ngwira, Prof Till Opatz	COMPOUNDS HAVING EXCITED STATE INTRAMOLECULAR PROTON TRANSFER	AU2020234097	AU2020234097	Australia	Granted, in force	4/20/2023	1

	(ESIPT) CHARACTER FOR USE IN TREATING AND/OR PREVENTING SUNBURN AND/OR PREVENTING U.V. DAMAGE						
Prof Lesley Cornish, Dr Rodney Genga, Prof Daniel Glaser, Mr Mitchell Leering, Prof Claudia Polese	METHOD AND SYSTEM FOR IMPROVING THE SURFACE FRACTURE TOUGHNESS OF BRITTLE MATERIALS, AND A CUTTING TOOL PRODUCED BY SUCH METHOD	JP2020-515303	JP7362595	Japan	Granted, in force	10/6/2023	1
Prof Bavesh Kana, Dr Edith Machowski	GENETICALLY MODIFIED STRAINS OF MYCOBACTERIUM SMEGMATIS	IN201817037986	IN485780	India	Granted, in force	12/19/2023	2
		ZA2018/06611	ZA2018/06611	South Africa	Granted, in force	2/28/2023	
Prof Bavesh Kana, Dr Edith Machowski	SARS-COV-2 DIAGNOSTIC CONTROL COMPOSITIONS	US17/996,919	US11/713,491	United States of America	Granted, in force	8/1/2023	2
		JP2022-564441	JP7349763B2	Japan	Granted, in force	9/14/2023	
Prof Mandeep Kaur, Dr Sourav Saha	2-HYDROXYPROPYL-BETA-CYCLODEXTRIN (HPBETACD) FOR USE IN THE TREATMENT OF BREAST CANCER	AP/P/2021/013457	AP6981	ARIPO	Granted, in force	9/29/2023	1
Dr Paul Franklyn, Mr Vidya Keshav, Dr Kulsum Kondiah	PROCESS AND DEVICE FOR REMOVING LEAD FROM A LIQUID	CA2,999,956	CA2,999,956	Canada	Granted, in force	1/9/2024	1
Dr Adhil Bhagwandin, Dr Joshua Davimes, Prof Paul Manger, Dr Ilke Philander, Mr Jerome Siegel	SYSTEMS, METHODS, AND AN APPARATUS FOR CONTROLLING A SLEEP ENVIRONMENT AND WAKING A SLEEPING PERSON	ZL201980079774.9	CN113423995B	China	Granted, in force	3/28/2023	1
Prof Philippe Ferrer, Mr Khaled Mohamad, Mr William Wright	THERMAL RADIATION LOSS REDUCTION IN A PARABOLIC TROUGH RECEIVER BY THE APPLICATION OF A CAVITY MIRROR AND A HOT MIRROR COATING	US17/051,888	US11788772B2	United States of America	Granted, in force	10/17/2023	2
		ZA2020/06776	ZA2020/06776	South Africa	Granted, in force	12/20/2023	
Professor Nosipho Moloto, Dr Kalenga Mubiayi, Ms Grace Ngubeni	ALKALI METAL QUATERNARY NANOMATERIALS	EP21720557.4	EP4118032(ES)	Spain	Granted, in force	9/20/2023	4
		EP21720557.4	EP4118032	EUROPE	Granted, in force	9/20/2023	
		EP21720557.4	EP4118032(UK)	United Kingdom	Granted, in force	9/20/2023	
		ZA2022/10908	ZA2022/10908	South Africa	Granted, in force	12/20/2023	
Prof Yahya Choonara, Prof Lisa Du Toit, Dr Pariksha Kondiah, Dr Pierre Kondiah, Prof Pradeep Kumar, Prof Thashree Marimuthu, Prof Viness Pillay	A THERMORESPONSIVE HYDROGEL	IN201917035089	IN438,335	India	Granted, in force	7/12/2023	1
Prof Yahya Choonara, Prof Pradeep Kumar, Prof Girish Modi, Prof Viness Pillay	PHARMACEUTICAL COMPOSITION	IN202017027444	IN427,813	India	Granted, in force	6/30/2023	8
		EP18 842 658.9	EP3727485	Unitary	Granted, in force	7/26/2023	
		EP18 842 658.9	EP3727485(UK)	United Kingdom	Granted, in force	7/26/2023	
		EP18 842 658.9	EP3727485(CH)	Switzerland	Granted, in force	7/26/2023	
		JP2020-534575	JP7324516B2	Japan	Granted, in force	8/10/2023	
		ZA2020/04002	ZA2020/04002	South Africa	Granted, in force	11/29/2023	
		AU2018389831	AU2018389831	Australia	Granted, in force	2/8/2024	
		US201816956935	US11883469	United States of	Granted, in force	1/30/2024	

				America			
Ms Monique Bignoux, Ms Jessica Burns, Ms Katelyn Cuttler, Dr Eloise van der Merwe, Prof Stefan Weiss	COMPOUNDS FOR USE IN THE TREATMENT OF PARKINSON'S DISEASE	ZA2021/04167	ZA2021/04167	South Africa	Granted, in force	8/30/2023	1
Dr Boitelo Letsolo, Ms Kerrilyn Naidoo, Mr Chad Otgaar, Prof Stefan Weiss	COMPOUNDS FOR USE IN THE TREATMENT OF TELOMERE RELATED DISEASES AND/OR TELOMERE RELATED MEDICAL CONDITIONS	US17/177,164	US11/896,645	United States of America	Granted, in force	2/13/2024	1
						Total	27

Citations Awardees	Inventor(s)	Title	Countries	Citations
1	Lonel Botef (Botef is late) Agripa Hamweendo	Patent Title: Method of Manufacturing an Object with Microchannels Provided Therethrough	TOTAL	13
			International Bureau	3
			China	4
			United States of America	3
			South Africa	3
2	Lonel Botef Michael Lucas Sandy Van Vuuren Ian David (Ian's email is not available)	Patent Title: Method of Applying an Antimicrobial Surface Coating to a Substrate	TOTAL	7
			South Africa	0
			International Bureau	2
			United States of America	2
			EUROPE	0
			China	3
3	Luke Chimuka Phatsimo Gimamah Matshediso (email not available)	Patent Title: Extract from Morigaceae and a Method to Prepare the Extract	TOTAL	9
			South Africa	0
			South Africa	0
			International Bureau	9
			ARIPO	0
			India	0
4	Andrew Forbes Abderrahmen Trichili (No email) Angela Dudley	Patent Title: A Method And System For Measuring Beam Quality Of A Laser Beam	TOTAL	4
			South Africa	0
			International Bureau	2
			China	0
			EUROPE	0
			Japan	0
			United States of America	2
5	Daniel Glaser Claudia Polese	Patent Title: System for and method of performing laser shock peening on target with fluid flow path sandwiched between transparent to laser light solid medium and the target	TOTAL	6
			China	0
			EUROPE	0
			International Bureau	2
			South Africa	2
			Japan	0
			United States of America	2
			France	0
			Germany	0
			United Kingdom	0
7	Prof Ivan William Hofsjager (no email) Dikeledi Mokwena Prof Weihua Ho Prof Vijaya Srinivasu Vallabhapurapu	Patent Title: Method and apparatus for treating a fluid	TOTAL	6
			International Bureau	0
			China	6
			ARIPO	0
			Australia	0
			Brazil	0
			India	0
			South Africa	0
			United States of America	0
			EUROPE	0

8	Prof Sunny Esayegbemu lyuke	Patent Title: A process for producing carbon nano-tubes	TOTAL	8
			International Bureau	0
			EUROPE	0
			France	2
			Germany	2
			United Kingdom	2
			South Africa	0
			United States of America	2
9	Dr Jonathan Lunn	Patent Title: Vacuum Arc Thruster and Method of Operating the Same	TOTAL	12
			International Bureau	12
			South Africa	0
10	Tshilidzi Marwala (no email) Rendani Mbuva	Patent Title: A system and method for imputing missing data in a dataset, a method and system for determining a health condition of a person, and a method and system of calculating an insurance premium	TOTAL	3
			International Bureau	3
			United States of America	0
			South Africa	0
11	Prof Leith Carl Rodney Meyer (not at Wits)	Patent Title: Pharmaceutical composition	TOTAL	30
			South Africa	0
			EUROPE	0
			United States of America	15
			International Bureau	15
12	Dr Kyle Rohde (no email) Prof Orde Munro	Patent Title: Activity of gold-complexed compounds against mycobacterium tuberculosis and mycobacterium abscessus	TOTAL	1
			International Bureau	0
			South Africa	0
			United States of America	1
13	Prof Viness Pillay (he is late) Prof Yahya Essop Choonara Prof Pradeep Kumar Prof Lisa Claire Du Toit Dr Naeema Mayet (no email)	Patent Title: Wound Dressing	TOTAL	18
			South Africa	0
			International Bureau	14
			South Africa	0
			China	0
			EUROPE	1
			Japan	0
			United States of America	0
			Switzerland	1
			Germany	0
			France	1
			United Kingdom	1
14	Prof Viness Pillay Prof Lisa Claire Du Toit Prof Yahya Essop Choonara Dr Bibi Choonara Prof Pradeep Kumar Pierre Pavan Demarco Kondiah	Patent Title: An Oral Pharmaceutical Dosage Form for the Delivery of a Peptide and/or Protein	TOTAL	7
			United Kingdom	0
			International Bureau	1
			China	5
			EUROPE	0
			India	0
			Japan	0
			United States of America	1
			South Africa	0
			Germany	0
			Switzerland	0
			United Kingdom	0
15	Prof Viness Pillay Prof Lisa Claire Du Toit Prof Yahya Essop Choonara Poornima Ramburrun Prof Pradeep Kumar	Patent Title: Biodegradable Implant	TOTAL	1
			South Africa	0
			International Bureau	1

			United States of America	0
			EUROPE	0
			South Africa	0
			China	0
			United Kingdom	0
			Switzerland	0
			France	0
			Germany	0
16	Lesley Erica Scott	Patent Title: A Method for Identifying Bacteria in a Sample	TOTAL	16
			International Bureau	9
			ARIPO	0
			China	6
			India	0
			OAPI	0
			United States of America	1
			South Africa	0
			International Bureau	0
17	Craig Michael Sheridan	Patent Title: A passive Radiation Condenser	TOTAL	13
			South Africa	0
			International Bureau	13
18	Prof Iakovos Sigalas Phylis Sarah Makurunje Dr Mathias Herrmann	Patent Title: Ceramic Composite and Method to Prepare the Composite	TOTAL	3
			South Africa	0
			United States of America	3
19	Professor Stefan Franz Thomas Weiss (he is late) Dr Tyrone Chad Otgaar Dr Eloise van der Merwe Martin Bernert Dr Gavin Morris (no email)	Patent Title: Biopharmaceutical Agents for Use in Reducing Lipid in Cells	TOTAL	1
			International Bureau	1
			South Africa	0
			United States of America	0
			China	0
			EUROPE	0
			India	0
20	Sandile Aubrey Masondo Bongile Silinda Prof Michael Olawale Daramola	Patent Title: Acid Mine Drainage Treatment Means	TOTAL	8
			International Bureau	4
			Australia	0
			Canada	0
			United States of America	4
21	Claudia Polese Daniel Glaser Lesley Alison Cornish Rodney Michael Genga	Patent Title: Method and System for Improving the Surface Fracture Toughness of Brittle Materials, and a Cutting Tool Produced By Such Method	TOTAL	17
			Netherlands	0
			International Bureau	11
			Netherlands	0
			EUROPE	0
			Japan	6
			United States of America	0
22	Bavesh Davandara Kana Edith Erika Machowski	Patent Title: Genetically Modified Strains of Mycobacterium Smegmatis	TOTAL	2
			International Bureau	0
			South Africa	0
			EUROPE	0
			India	0
			South Africa	0
			United States of America	0
			China	2
			ARIPO	0
			United Kingdom	0
23	Khaled Mohamad Ferrer Phillipe	Patent Title: Thermal Radiation Loss Reduction in a Parabolic Trough Receiver by the Application of a Cavity Mirror and a Hot Mirror Coating	TOTAL	1
			South Africa	0
			International Bureau	1
			China	0

			South Africa	0
			EUROPE	0
			United States of America	0

IP day quiz winners			
Name	Surname	Email Address	Score
Xolani	Radebe	1598213@students.wits.ac.za	88
Karabo	Serakalala	kaserakalala@gmail.com	88
Nomusa	Khambule	2117136@students.wits.ac.za	88
Arabo	Ewinyu	arabo.ewinyu@wits.ac.za	88
Greig	Krull	greig.krull@wits.ac.za	88
Michael	Lucas	Michael.Lucas@wits.ac.za	88
Danielle	Cerbone	a0039251@wits.ac.za	88
Orevaoghene	Eterigho-Ikelegbe		88
Tumelo	Moloantoa	Tumeloknowledge@gmail.com	82
Shikar	Harisunker	Shikarharisunker@wits.ac.za	82
Rendani	Mathumba	Rendani@tshimologong.joburg	82
Mbali	Magubane		82
Jesimiel	Bello	Jesimielbello332@gmail.com	82
Peace Toba	Olatunji	olatunjip@gmail.com	82
Edward	Kamau	edward.waihenya.kamau@gmail.com	82
Noah	Okwudini	thediniverse@gmail.com	82
Olgar	Siziba	2356067@students.wits.ac.za	82
Edith	Machowski	edith.machowski@wits.ac.za	82
Boipelo	Kgosinkwe	Boipelo.Kgosinkwe@wits.ac.za	82
Poornima	Ramburrun	poornima.ramburrun@wits.ac.za	82
Thobile	Mtshali	thobile.mtshali@wits.ac.za	82
Eleni	Flack-Davison	eleni.flack-davison@wits.ac.za	82
Liang	Gu	Liang.gu@wits.ac.za	82