



THE NELSON MANDELA AFRICAN INSTITUTION OF SCIENCE AND TECHNOLOGY

SHORT COURSES CALENDAR



**YEAR
2023**

SN	COURSE TITLE	COURSE CONTENT	DURATION (DAYS)	DATES START - END	COURSE FEE (IN TSH)
1	Personalized Nutritional Management of Type II diabetes	<ul style="list-style-type: none"> • Introduction to Type II Diabetes • Clinical Management of Type II Diabetes • Nutritional Management of Type II Diabetes 	4	3-6/04/2023	600,000
2	Smart farming: Integrating Agrotool with mobile technology	<ul style="list-style-type: none"> • Introduction to AgroCares new way of collecting nutrient data • Scanner calibration, testing and cleaning • AgroCares Scanner package 	3	11-13/04/2023	510,000
3	Business (Enterprise) Management tools and Financial analysis	<ul style="list-style-type: none"> • Introduction to business management tools • Introduction to Business Model Canvas (BMC) • Development of BMC • Introduction to Business Plan (BP) • Development of BP • Financial analysis tools (budget preparation, financial projections) 	5	17-21/4/2023	700,000
4	Strategic Project Management	<ul style="list-style-type: none"> • Basics of project management • Strategic planning process • Project plan and schedule Develop and manage project budget. • Risk management • Stakeholders analysis • Basics of project monitoring and evaluation 	5	24-27/04/2023	900,000
5	Effective official/statutory meeting Chairing and Minutes writings	<ul style="list-style-type: none"> • The meeting leadership management skills • Meeting decision making skills • Meeting minutes' note taking skills • Meeting minutes writing skills 	5	02-06/05/2023	700,000
6	Nutritional Management of Patients	<ul style="list-style-type: none"> • Introduction to NCP • Nutritional assessment and • Nutritional diagnosis • Interventions • Dietary modification • Monitoring and evaluation 	5	8-12/05/2023	800,000
7	Constructed Wetlands for Wastewater and Fecal Sludge Management: (Design and Practice)	<ul style="list-style-type: none"> • Introduction to constructed wetlands • Application of constructed wetlands • Design of constructed wetlands • Management of constructed wetlands • Hands-on experience sharing 	5	08-12/05/2023	800,000
8	Smart Systems Security	<ul style="list-style-type: none"> • Introduction to smart systems (self-monitoring analysis and reporting systems) • Vulnerability assessment and ethical hacking fundamentals for smart systems • Managing Digital data for smart system 	5	15-19/05/2023	1,000,000

SN	COURSE TITLE	COURSE CONTENT	DURATION (DAYS)	DATES START - END	COURSE FEE (IN TSH)
		<ul style="list-style-type: none"> • ICT policies for smart systems in cooperate environment • Hands-on experience sharing 			
9	Writing review and original papers: Strategies and Tools	<ul style="list-style-type: none"> • Information search • Mind mapping skills • Evidence synthesis skills • Data analysis and visualization skills • Publishing skills 	5	15-19/05/2023	800,000
10	Retirement Plan	<ul style="list-style-type: none"> • preparing for retirement • invest areas after retirement • Sources of funds for investments • Management of business after retirement • Mental wellness 	5	22-26/05/2023	800,000
11	Software Quality Assurance	<ul style="list-style-type: none"> • The Fundamentals of Software (SW) testing • SW development Life Cycle's • Static Testing of SW • SW test Design • SW Test Management • SW Testing tools 	10	29/05-8/06/2023	1,500,000
12	Leather Processing Technology	<ul style="list-style-type: none"> • Introduction to leather processing technology • Skins preservation • Beam house operations: delimiting • Beam house operations: bating, degreasing and pickling • Tanning • Post-tanning: retanning • Post-tanning: fatliquoring • Post-tanning: Dyeing • Finishing • Entrepreneurship of value added hides and skins 	8	29/05 - 6/06/2023	1,120,000
13	3D Printing application (Industrial Design)	<ul style="list-style-type: none"> • Introduction to 3D printing application • Basics for CAD Modelling for 3D Printing • 3D Printing hands on experiment 	5	12-16/06/2023	800,000
14	Automation using Python	<ul style="list-style-type: none"> • Introduction to automation/ • Special software automation • Use cases where we apply • Hands on experience 	5	19-23/06/2023	700,000
15	Data science	<ul style="list-style-type: none"> • Introduction with real time application • Industries use cabs • Practical hands-on experience 	5	10-14/07/2023	800,000
16	Disease detection using molecular technics	<ul style="list-style-type: none"> • Basics of Disease Detection • DNA extraction • PCR Detection • Amplification 	5	17-21/07/2023	800,000
17	Risk Management in organizations	<ul style="list-style-type: none"> • Introduction to risk management • Embedded Risk Management 	5	24-28/07/2023	750,000

SN	COURSE TITLE	COURSE CONTENT	DURATION (DAYS)	DATES START - END	COURSE FEE (IN TSH)
		<ul style="list-style-type: none"> • Risk assessment or identification • Mitigating Risk and reporting challenges • Risk management champions 			
18	Pesticide Risk Assessment	<ul style="list-style-type: none"> • Introduction to pesticide risk assessment • Estimation of exposure • Hazard assessment and characterization • Decision criteria • Risk mitigation 	5	31/07 – 04/08/2023	750,000
19	Energy Management and auditing	<ul style="list-style-type: none"> • Introduction to energy management and audit • Steps for energy management • Hands-on energy management practice I • High energy Consumption management practice II 	5	14-18/08/2023	800,000
20	Grant writing and management skills	<ul style="list-style-type: none"> • Introduction to grant writing and management skills • Strategies for acquiring funds • Grant acquisition tools preparation • Sustainable grant management 	5	21-25/08/2023	750,000
21	Scientific Writing and Publication Skills	<ul style="list-style-type: none"> • Introduction to Scientific Writing and Publication Skills • Statistics and scientific communication • Digital tools in science communication 	5	28/08 – 01/09/2023	700,000
22	Life cycle assessment of products and services	<ul style="list-style-type: none"> • Introduction and principles of life cycle assessment • Materials and energy flow analysis • Carbon Footprint analysis • Energy systems assessment and sustainability • Life cycle thinking 	5	11-15/09/2023	800,000
23	Statistical analysis using R	<ul style="list-style-type: none"> • Introduction to Statistics • Introduction to statistical analysis and graphics using R • Hands-on statistical analysis and graphics using R 	5	18-22/09/2023	800,000
24	Effective Client Service and Office Management in Digital Era	<ul style="list-style-type: none"> • Introduction to basic client services • Behavioral and managerial competencies • Practical communication skills (both digital and non -digital channels) • Organizing physical layout and online work space effectively • Case studies on client services and office management 	5	9-13/10/2023	700,000

For further information or enquiry use the following contacts:

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