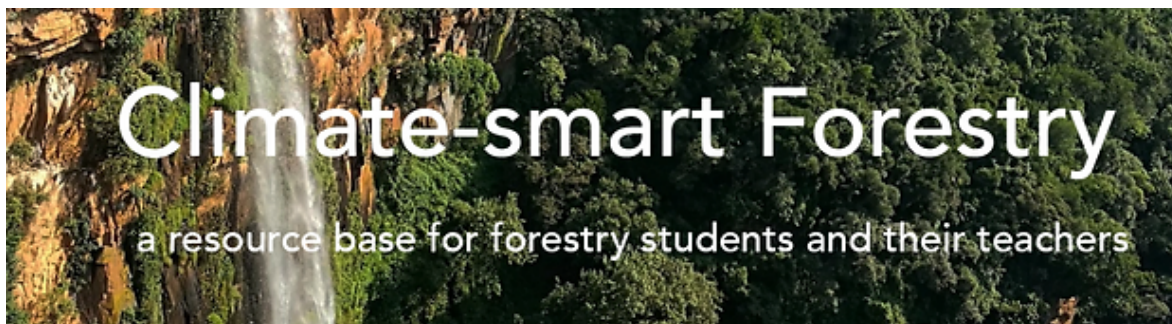# PROGRAMME

FOREST21-TSHWANE UNIVERSITY OF TECHNOLOGY STUDENT CHALLENGE ON CITY GREENING

HOST: TUT, Participating Institutions: UNIVEN, UMP

CHALLENGE OWNER: City of Tshwane, Fibre Circle

Designing Sustainable Waste Management and Recycling Solutions for a Climate Resilient Built Environment

Partners: City of Tshwane and Fibre Circle

The City of Tshwane faces pressing environmental challenges, including inadequate waste management and climate change impacts, threatening residents' well-being. Rapid urbanization has led to increased fibre and plastic pollution from commercial and residential waste. To address these issues, we invite you to the Student Challenge aimed at promoting sustainable practices, improving waste management infrastructure, and raising public awareness. Collaborate with us to create a cleaner, healthier Tshwane for all using **Problem-Based Learning (PBL)** methods and students-centered teaching, which are at the core of the Forest21 project. Through PBL, students learn through solving real-life business challenges in the field in international teams.

Faculty of Science: Prof. Puffy Soundy

MOVING FROM GOOD TO GREAT
Celebrating 20 years of empowering people
2004 -2024

#fromGOOD2GREAT

ACTIVITY	FACILITATOR	TIME
THURSDAY, 24 OCTOBER 2024		
Programme Director	Mr Malose Ramashala	
Welcome on behalf of the DVC Teaching, Learning and ICT, and presentation on Faculty of Science vision and strategy	Prof Puffy Soundy	09h30 - 10h00
Introducing Forest21	Prof Puffy Soundy	10h00 – 10h45
The student challenge concept	Dr Blessing Karumbidza	10h45 – 11h30
TEA		11h30 – 11h45
Fibre Circle presentation	Mr Jandri De La Ray	11h45 – 13h40
LUNCH		13h40 – 14h20
Tshwane Market presentation	Ms Fortunate Matuludi and Mr Louis Makhubele	14h40 - 16h45
FRIDAY, 25 OCTOBER 2024		
Programme Director	Dr Pascalia Gunun'unu	
City of Tshwane Market & City Excursion	Ms Matuludi	07h30 – 13h00
LUNCH		13h00 - 14h00
setting the challenge groups and refining the challenge question	Dr Phillip Tshidzumba	14h00 - 16h30
SATURDAY 26 OCTOBER 2024		
Group work	All	
SUNDAY 27 OCTOBER 2024		
Group work	All	
MONDAY, 28 OCTOBER 2024		
Programme Director	Dr Dimpo Xaba	
Feedback from the groups and check-in on the experience	Dr Phillip Tshidzumba	09h00 - 10h30
TEA		10h30 - 11h00
Engagement with industry specialists	City of Tshwane, Fibre Circle	11h00 - 13h00
LUNCH & END		13h00 - 14h00
Group discussions and preparation **mentors check-in**	**Mentors and student groups** **lead mentor**	**14h00 – 16h30**
TUESDAY, 29 OCTOBER 2024		
Programme Director	Prof Grany Senyolo	
Fibre Circle partner excursion - KG & Jeany Recycling Centre. 384 Koos De La Rey St	Mr Jandri De La Ray	09h00 – 12h00

LUNCH		12h00 – 13h00
Fibre Circle Excursion - Mill visit at Neopak in Rosslyn	Mr Jandri De La Ray	13h00 – 15h00
WEDNESDAY, 30 OCTOBER 2024		
Programme Director	Dr Blessing Karumbidza	
Preliminary candidate solution presentations	**All**	08h30 - 11h00
TEA		11h00 -11h30
Preliminary candidate solution presentations	All	11h30 – 13h00
LUNCH		13h00 - 14h00
Students continue with group work Mentors check-in	Mentors lead-mentor	14h00 - 15h30
THURSDAY, 31 OCTOBER 2024		
Programme Director	Mr Malose Ramashala	
Students continue with finalizing group presentations	Mentors	09h00 - 10h30
TEA		10h30 - 11h00
Students continue with finalizing group discussions mentors discuss assessment	Mentors lead mentor	11h00 - 13h00
LUNCH		13h00 - 14h00
Students finalize presentations mentors discuss rubric	mentors lead mentor	14h00 - 16h00
FRIDAY, 01 NOVEMBER 2024		
Programme Director	Prof Grany Senyolo	
Students present candidate solutions	Group one	09h00 – 10h00
Students present candidate solutions	Group two	10h00 – 11h00
TEA		11h00 – 11h30
Students present candidate solutions	Group three	11h30 – 12h30
Students present candidate solutions	Group four	12h30 – 13h30
LUNCH		13h30 – 14h30
Feedback from evaluations	Fibre Circle, City of Tshwane & Mentors	14h30 - 15h30
Braai	All	16h30 – 18h30
SATURDAY, 02 OCTOBER 2024		

Departure	All	
THE END		