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PUAT

LIVE WEBINAR

The infusion of SDGs in Science and Engineering

With the University of KwaZulu-Natal's
Professor Naven Chetty and Dr Bobby Varghese

UKZN is a Partner of the project titled *"Professionalisation of Undergraduate Academic Teaching in Multiple Disciplines to Address SDGs – (PUAT)"*

All 4 Colleges at UKZN are actively participating in this project.

Join us as we discuss how SDGs should be integrated into multiple academic disciplines and how an academic institution can be a driving force to the UN SDGs 2030 Agenda.

WHO SHOULD ATTEND:

1. All Academic staff
2. All Professional and Technical staff associated with supporting student success



FRIDAY

18 November
2022



09h00-10h30 (SAST)

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PRESENTER BIOGRAPHIES:



PROF NAVEN CHETTY holds a Ph.D. in experimental and computational molecular optics (2009) from the University of KwaZulu-Natal (UKZN). He is the current Dean of Teaching and Learning in the College of Agriculture, Engineering, and Science, responsible for a practical pedagogical approach in the College. Prof Chetty's research interest lies in optics, specifically biomedical and atmospheric optics, with a sub-focus on environmental/health physics and physics education. The research group is concerned with developing tissue phantoms and protocols for laser applications and understanding the turbulent effects of a propagating laser beam in air. He is currently leading a Project to Establish a Working Baseline Data on Monitoring Environmental Contamination by Natural radiation and the Risks to Humans" using transdisciplinary techniques to improve livelihoods and protect the environment. He has supervised 8 doctoral and 16 Master's students (with 2 summa cum laude and 7 cum laude) and published over 47 publications and 12 conference proceedings. He is a Senior Member of the Optical Society of America and sits on the editorial board of Open Physics Journal. He currently supervises several doctoral and master's students in Biomedical and Applied/Experimental physics.



DR BOBY VARGHESE is currently the Head of the Centre for Academic Success in Science and Engineering at UKZN, which runs the science and engineering access programmes and academic monitoring and support programmes in the College of Agriculture, Engineering and Science. His area of research includes the conservation of orthodox and recalcitrant plant germplasm. His research looks at mechanisms in desiccation sensitivity/tolerance in plant tissues. He is involved in various academic development initiatives, including the PUAT project on the infusion of SDGs in undergraduate curriculum.

PUAT is co-ordinated by FREDERICK UNIVERSITY (FU- MESOKELEAS LTD) with the following Partners:

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2. RCE Crete, Greece

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