



## Next generation inventions to hit SA

Date:

Friday, 9 March, 2012



DUT was recently visited by pioneer researcher in biophysics, radiobiology, nanotechnology and sustainable energy, Dr Rajah Vijay Kumar who gave a presentation on the energy inventions of Organisation de Scalene. Dr Kumar is the CEO and Managing Director of Scalene Green Energy in India, and a prolific inventor with about eight patents to his credit.

His presentation was an in-depth look at a seven-year project initiated and implemented by scientists in the Indian branch, which saw the production of a range of machinery suitable for households and industries. The inventions operate using refuse, animal excretory products and other resources. Dr Kumar explained that the project was established with a view to alleviate waste and pollution and “produce more energy in the country.”

An example of these unique inventions would be the “Eco Family” micro plant designed for households. To operate the device utilises from three to nine kilograms of food waste, such as peels and paper, per day which translates to about three cylinders monthly. In essence, families produce their own energy, while ensuring a greener environment.

The initiative is also geared towards reducing the global carbon footprint. To achieve this, the organisation has introduced these eco-friendly inventions to Europe and Malaysia and recently, the project was brought to South Africa. To successfully counteract the climate change crisis Scalene Green Energy “aims to target the globe”.

The South African branch is managed by DUT alumnus Rakesh Mohanlall. Excited about the “ingenious” inventions Mohanlall said: “This is a great opportunity for the country. The first biomass renewable energy technology has been brought to South Africa. As the leader in Africa in technology and infrastructure, SA will be a showcase for the entire continent.”

Managing Director of Scalene Europe, Hans Hendriks shared similar sentiments saying “there is a great need for waste processing and energy production” in the country.

- Naledi Hlefane