

Final Year Design Projects 2010

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The School of Bioresources Engineering and Environmental Hydrology (BEEH) at the University of KwaZulu-Natal held a Final Year engineering student project open evening on Wednesday, 27 October 2010. It is presently the only University in South Africa training Agricultural Engineers.

The 6 projects were:

- The redesign and evaluation of a gel grass seed planter for the rehabilitation of mining areas (Final Year Design winner for 2010)
- The design of a small scale self calibrating herbicide applicator
- The design of a sub-surface ripper sludge applicator
- The design of a small scale single kernel precision planter
- The design of water evaporation cooling systems for buildings and greenhouses
- The design of a humidity control system for wine storage

The evening was attended by nearly 100 people and coincided with the Institute of Agricultural Engineering in South Africa (SAIAE), KwaZulu-Natal branch meeting and AGM, ensuring good exposure of the students to the industry. Each of the 6 project teams presented their project and results, followed by a question and answer session.



Photo: Award winners of the evening:

From left to right, front row (6 people): Ellen Thipe (best 2nd year student in 2009), Tahir Jasat and Prashen Jugdawooh (best final year design project), Solomon Mashishi (best workshop course student, received a Gedore toolset, sponsored by Gedore), Lefuno Nemakhavani (best 3rd year student 2009), and Gordon Boote (best 4th year student 2009)

Back row from left to right (4 people) Alan Hill, (Chief Technician BEEH workshop), Mark Zartmann (MBB Consulting engineers, sponsor), Prof Jeff Smithers (head of School BEEH), Bryan Rees (best 1th year student 2009)



Best final year student project award winners Prashen Jugdawooh and Tahir Jasat in front of their gel seed planter, being interviewed by Charl van Rooyen, editor of the magazine Landbou-Weekblad.