



SA NAVY UNIVERSITY RESERVE TRAINING STUDENTS START PRACTICAL PHASE AT FALSE BAY COLLEGE (WESTLAKE CAMPUS)

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Fourteen Engineering students of the SA Navy University Reserve Training Programme reported at the False Bay College (Westlake Campus) for their first practical engineering phase from 2 - 20 July 2012. There were 12 Mechanical and 2 Chemical engineers. Thirteen students are under graduates and one is busy with his Masters degree in Engineering. The course stretched over three weeks. The three weeks consisted of one week of Electrical, Auto Motive and Fitting and Turning respectively.

During the electrical phase, the students had to do the following: electrical safety in the workshop, project planning - full cycle of project management, design and construct a single phase circuit, motor relay and fault finding and one student excelled in doing advanced fault finding on an auto transformer panel.



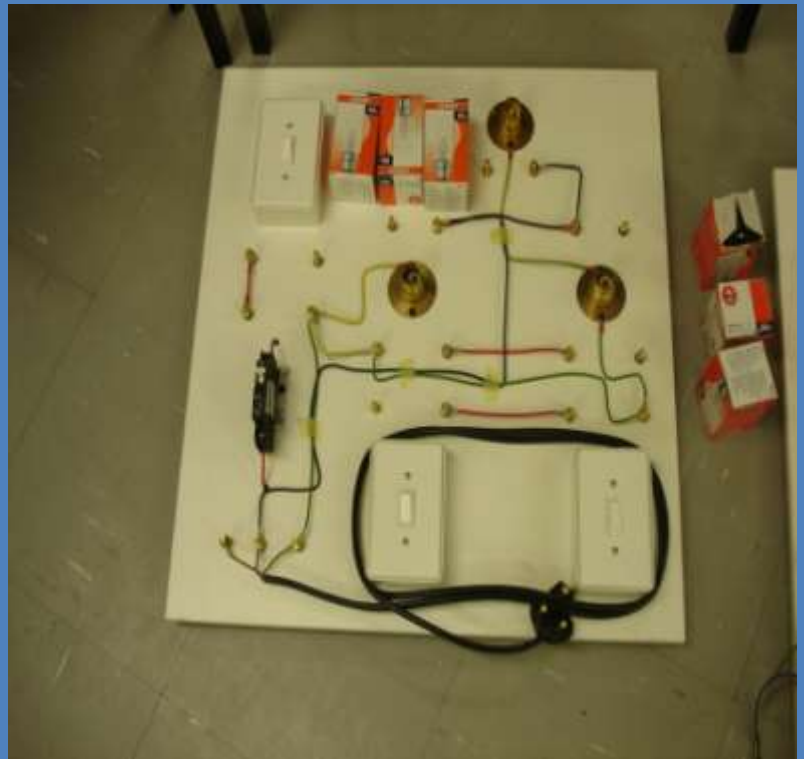
Students in the Electrical Workshop.



Seaman Truter did an assignment on an auto transformer panel which forms part of the normal trade test.



Seaman Kock doing some electrical fault finding.



Electrical assignment - a single phase circuit.

The mechanical instructor allocated three engines that the students had to completely strip and re-assemble. They also focused on mechanical maintenance, normal repair, fault finding and demonstrated the testing of the repaired engines.



Mechanical instructor explains stripping of an engine.



Students commencing stripping an engine.



Students re-assembling an engine that was overhauled.

The third week of the practical training was spent on fitting and turning. The following aspects were covered: use of basic hand tools and workshop skills, manufacturing a tack hammer on a lathe and milling machine.



Seaman Bezuidenhout working on the lathe making the handle for the tack hammer.



SAN - URTP GROUP WITH THEIR PROJECTS.

The following additional activities were included:

- a. Visit to the SMST Dockyard and Fleet Officer Fleet facilities.
- b. SA Naval College - the unit where the military phase will take place.
- c. On Wednesday afternoons, they had drill instruction.
- d. The URTP students also had a chance to shoot at the “mock shooting range” at Maritime Warfare School.

In the September 2012 vacation, the students will have one more module on welding during which they will manufacture a bread oven made from steel.

The SAN URTP is unique in that there are military and practical phases. The practical phases form part of their academic requirement in order to graduate as engineers. The final phase commences from 27 November - 14 December where after the Basic Military Training course will be completed and the Military Training for Officers Part 1 commences in January 2013. Enquiries can be forwarded to Captain (SA Navy) M.J. Grobbelaar at mjgrobbelaar@yebo.co.za.