



South African Institute of Electrical Engineers

NMMU SAIEE
STUDENT CHAPTER
ANNUAL REPORT
2016



**Nelson Mandela
Metropolitan
University**

for tomorrow

2016 SAIEE NMMU STUDENT CHAPTER PRESIDENT'S MESSAGE



Tafadzwa Michael Bhowa
2016 NMMU SAIEE Student Chapter
President

For the past years, the NMMU SAIEE Student Chapter's main goal was to increase the number of members joining the voluntary organization. I confidently confirm that this mission was successful. Our progress was not limited to only enrolling new members but to promote interaction and networking.

From the onset of the year 2016, we resumed by introducing the student chapter to the first year students during their orientation week. This opportunity was used so as to give an overview of what the chapter is to the new students and parents for their own interest. Our main goal is to have the first years eager to join the chapter and to know its benefits once they register during their second year of studies.

The committee resumed by drafting rules which were achieved by scrutinising each member's role. This was to ensure full knowledge of their respective duties. This permitted the individuals to be able to supervise any new members joining the committee assisting in their respective positions. It also helps to keep members updated about the

purpose of the committee to the Student Chapter's survival.

Our motto was to promote interaction and networking. It was not aimed to only that of students and industry, but also internal interaction between the students themselves. The SAIEE and SAICE (South African Institute of Civil Engineers) Student Chapters collaborated to organise a sports day. The day was a success which brought about good socialisation between the two engineering fields. The chapters are keen to continue with this mutual relationship.

The chapter continued to get new t-shirts printed. We are proud to have support from other international exchange students from the USA. Our NMMU support staff also ordered our t-shirts thus spreading the name of the chapter.

Due to the unforeseen "Fees Must Fall" movement, the chapter could not host the year end function. This was organised so as to allow our students to have interaction with Industry individuals to prepare them on what to expect during their P1 and P2 training. We are hoping to continue hosting this event in future years. The Student Chapter managed to achieve their goal despite of the challenges faced during the course of the year.

I would like to give special gratitude to Dr Pat Naidoo who made the chapter a success. The treasured hard work of the student chapter committee and its mentor Mr Ikho Bambiso will not go unmentioned. Special thanks to the department of Electrical Engineering with specific mention to the faculty Administrator Ms Lizl Blom for their non-ending support. We also thank the SAIEE Eastern Cape Committee for providing the allocated funds to the chapter and for actively involving us in all their work.

We look forward to a successful 2017. "FORWARD EVER BACKWARD NEVER." I thank you.

A handwritten signature in black ink, appearing to read 'TMBhowa'.

Tafadzwa Michael Bhowa

SAIEE STUDENT CHAPTER COMMITTEE 2016

Any organization needs a committee to function. It is essential for the well-being of the Student Chapter. The main aim of the committee is to represent the Electrical Engineering students, and also having responsibilities to fulfil certain duties.

The following list is of committee members who served within the chapter during the year 2016, with their individual roles, qualifications and current work. Members who resigned due to other commitments have also been included.



Mr Ikho Bambiso

Role: Mentor

Work: NMMU, Electrical Engineering Lecturer



Mr Tafadzwa Michael Bhowa

Role: Chairperson

Qualification: BTech Electrical Eng. Student

Work: Eya Bantu Prof. Services,
Junior Engineering Consultant

"If it's easy, you're doing it wrong"



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Mr Athenkosi Madolwana

Role: Media & Marketing

Qualification: NDip: Electrical Eng. Graduate

Work: NMMU, Electrical Eng. Lab Assistant



Miss Rishongile Makhubele

Role: Media & Marketing

Qualification: BTech Electrical Eng. Student

Work: CMB – Clinkscales Maughan Brown,
Electrical Eng. Trainee



Mr Edwin Ribisi

Role: Secretary

Qualification: MEng Electrical Eng. Student

Work: NMMU, Electrical Eng. Lab Assistant



Miss Nompumelelo Gwabuzela

Role: Treasurer

Qualification: BTech Electrical Eng. Student

“If it’s easy, you’re doing it wrong”



Mr Coenraad Strydom

Role: Events Co-Ordinator

Qualification: NDip: Electrical Engineering Student



Mr Ashley Jaca

Role: Events Co-Ordinator

Qualification: NDip: Electrical Eng. Student

Work: Urban Journey, Electrician

First year orientation week presentation

On Saturday, 06 February 2016, the Electrical Engineering Department held a welcoming ceremony presentation during the first year orientation week. We took this opportunity as our first task of the year 2016, where our SAIEE Student Chapter President gave a short presentation to the first year students. The purpose of the presentation was to introduce **SAIEE (South African Institute of Electrical Engineers)** a voluntary organization and the **SAIEE NMMU Student Chapter**. The chapter was launched in November 2014, inspired by Dr. Pat Naidoo the then SAIEE President.

The presentation was short and brief, clearly stating that they can only register as SAIEE Student Members once they have completed their first year of study, but reiterating that their involvement within the Electrical Engineering Student Chapter is encouraged. The Student Chapter President informed the students about the benefits of being involved with the chapter and some of these are as follows:

- Socializing between students (UBUNTU).
- Enhanced interactions with the lecturers.
- Site visits to see electrical engineering work unfold in their hands.
- Attend informative lectures and events.
- Purchase student chapter t-shirt and proudly wear it on campus.
- Lastly, the opportunity to interact and network with people from industry which is the main theme of the student chapter.

Student Chapter Theme 2016:

“If it’s easy, you’re doing it wrong”

“Promoting Interaction and Networking between the Students and Industry.”



Committee rules and roles

At the start of 2016 our aim was to improve and grow from the previous year. Since the chapter has been run for more than a year, a firm foundation has been built thus the committee knows its objectives and targets. In order for the chapter to move forward it had to start with the 2016 committee members' willingness to work hard and guide the chapter to new heights. Therefore, late in 2015 we decided to draft committee rules to instil discipline amongst the members. Each member's role was scrutinised to ensure their full knowledge of their respective duties.

Rules

1. Member cannot miss two consecutive meetings.
2. Members to report on time if they cannot attend a meeting.
3. Members to respect time management. (on all student chapter events)
4. Meeting length to be within 1 hour.
5. Members to refrain from use of cell phones during meetings unless it's an emergency.
6. Members to give each other a chance to speak.
7. Members should exercise their different roles.
8. Member to respond promptly to Committee group WhatsApp messages.

“If it's easy, you're doing it wrong”

Revised Committee Roles and Responsibilities

President

- Overlooks every members duties.
- Chairs meetings.
- Represents the chapter during EC SAIEE Committee meetings.

Vice President

- Acts as a president when the president is absent.
- Overlooks every member's duties.
- Liaising with the chapter mentor and president in all cases.

Treasurer

- Handles the budget and all financial issues.
- Liaising with Ms Lizl Blom (Administrator) with respect to budgets for events.
- Drafts the annual budget.

Secretary

- Compiles minutes.
- Submitting minutes to the committee on time.
- Drafts agenda for the next meeting.

Media & Marketing

- Marketing of events.
- Social media updates.
- Compile newsletters and reports.

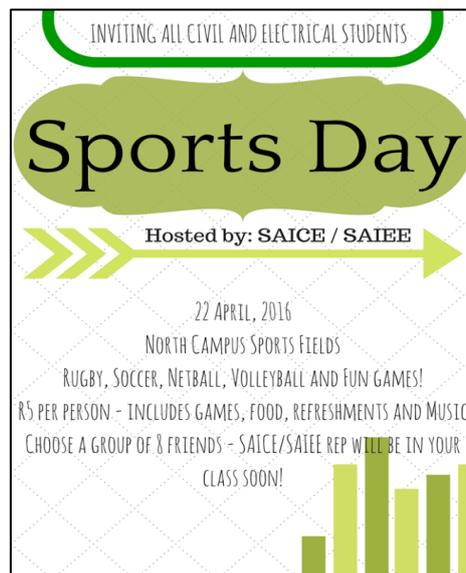
Events Co-ordinators

- Planning and organising of events.
- Drafting the event programme.

"If it's easy, you're doing it wrong"

Annual Sports Day

On the 22nd of April 2016 the Student Chapter committee alongside the Civil Engineering Student Chapter (SAICE) hosted the annual sports day. Since the SAICE hosted this event within their chapter before, the SAIEE proposed a joint venture. This was to initiate good socialization between the two chapters thus promoting interaction and networking with other engineering fields.



Advertising poster

The event was held at our North Campus Sports Fields. Since the chapter is a non-profit organisation, the entry fee per person was R5. This fee purely existed to cover the event costs. These included food, refreshments and entertainment (DJ played the 'hottest' music). The various sports comprised of touch rugby, soccer, netball, volleyball and other fun games. The sports day event was a success and a good turnout of Electrical Engineering students participated compared to our Civil Engineering counterparts. This was very motivating since it was our first involvement in the event.

Both chapters are determined to continue hosting this event annually. Special acknowledgements to the SAICE Student Chapter for giving the SAIEE Chapter the opportunity to collaborate with them. The SAIEE Chapter gained a good deal of experience in hosting this event. Our hope is to maintain the partnership with SAICE Student Chapter.

"If it's easy, you're doing it wrong"

Annual Sports Day Event objectives for 2017

- Increase number of participants.
- Have prizes for the winners.
- Sufficient budget to run the event.
- Secure sponsors.

Soccer teams



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SAIEE Student Member /Student Chapter Presentation

On Thursday, 08 September 2016 the SAIEE Student Chapter held a short presentation on how to become a student member for **SAIEE (South African Institute of Electrical Engineers)** and information about the **SAIEE NMMU Student Chapter**.

The presentation included informing students on how they can become SAIEE student members. Once they join the SAIEE as student members they automatically become part of the SAIEE NMMU student chapter. We also informed the students about the benefits that come along with being involved with SAIEE. The presentation was held at NMMU, North Campus (M-Block, M222) during lunch time and took a maximum of 30 minutes.



Benefits when registered with SAIEE as student member

- Attend informative lectures, workshops and courses.
- Networking opportunities.
- Site visits.
- Receive monthly free issues of Wattnow magazine.
- Reduction in ECSA registration fees.
- Being part of the SAIEE NMMU Student Chapter.

“If it’s easy, you’re doing it wrong”



Benard Price Memorial Lecture 2015



Jeffreys Bay Wind Farm Site visit



Network opportunity with the SAIEE CEO, Mr Stan Bridgens

Right after the presentation we asked a couple of questions with regards to the presentation. Students who answered correctly received a gift. The gifts consisted of SAIEE branded pens, caps, stress balls, mini torches and a USB drive which was awarded to the student who answered more difficult question. We were impressed with the students eagerness to engage and answer questions.

Wattnow magazines and leaflets were distributed before and after the presentation. The turnout of students to the event was not as expected but we look forward to increase the number in the following years by applying more advertisement. We will also include the first years, so that they can be informed before time to register the following year.

To encourage the students to register we promised that the first 30 students to register will receive a gift package.

"If it's easy, you're doing it wrong"



Leaflets, magazines and various gifts that were given away.

Media & Marketing Summary Report

- **Aims & objectives for this year:** Our student chapter to appear on the SAIEE website (incl. our committee and events).
- **Achievements:** Managed to organize and market our first annual sports day.
- **Targets for the upcoming year:** Have a section for the student chapter on the EC SAIEE newsletter; conduct interviews about Electrical Engineering matters; distribute SAIEE Student Chapter pamphlets during first year registration and/or orientation week.

Events Co-ordination Summary Report

- **Aims & objectives for this year:** To organize and host sports day for the Electrical and Civil Engineering students. To plan on organizing a site visit for the SAIEE student chapter.
- **Achievements:** Organized and hosted sports day.
- **Targets for the upcoming year:** Have as many events as possible and have more people from industry to share their experience with the students. This will motivate the students and give them an idea of what will be expected from them once they start working.

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Final Comments

We believe in building a firm relationship between students and industry which will encourage confidence in every individual to sell themselves well, increasing their employability. **SAIEE NMMU Student Chapter**

Please click below for the SAIEE Student Chapter Facebook page.

<https://www.facebook.com/#!/pages/NMMU-SAIEE-Student-Chapter/382787068537554>



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