

“A Day in the Life of a Consulting Engineer”

2 May – 31 July 2019

#EngineeringTheFuture



We aim to UNEARTH South Africa's Future Engineers...

The goal of the CESA YPF Job Shadowing Initiative is to expose and entice School Learners to the Engineering and Built-Environment fields, but more so to Consulting Engineering. By giving them an experience like no other: learners get a chance to imagine, live, work and play Engineering – opening their minds to a world of possibilities and opportunities.

SCHOOL TALK

CESA Job Shadowing Initiative has been expanded to include School talks by individuals or organisations which are not participating in the main Job Shadowing (which include office and site visits).

The School Talks is necessitated by the fact that majority of learners continue to struggle with Mathematics during the transitions – from grade 3 to 4, grade 7 to 8, and end up not choosing Maths in Grade 10 (those who choose maths, only one in five of them in matric achieves a pass of more than 50 percent in their Maths and Science exams). An ‘engineering

intervention’ is necessary to stop and reverse the ‘Mathematics meltdown’ at schools by conducting motivational talks during the Job Shadowing Months. South African Engineering will not survive if the standard of mathematics at schools does not improve.

As for the Job Shadowing Initiative, Young Professionals/Member Firms are requested to submit a one A4 page report on the school talk and/or copy of their presentation to learners. The purpose of the submission is to record the effort by industry and to share the experience with other interested parties.

HOW TO ENTER

- 1 Fill in the relevant entry form (Job Shadow or School Talk or Both) and send them to the CESA offices no later than **Friday, 31 May 2019**. This will show your commitment to participate in the competition.
- 2 Firms are welcome to send a single entry by firm or multiple entries by offices.
- 3 Member firms are encouraged to choose a school(s) from their local community.
- 4 Invite pupils from the chosen school/s to spend any day(s) with your firm during the Job Shadowing period – 02 May till 31 July 2019.
- 5 The idea is to create “A day in the life of a Consulting Engineer” experience for the scholars/learners with the morning(s) at the office and the afternoon(s) on site.
- 6 Then create a maximum A2 poster(s) (hard copy preferable) telling the story of the day with pictures (showing scholars actively participating).
- 7 Write up a summary (approx. 1 A4 page per office, max 5 A4 pages) explaining the activities of the day.
- 8 All poster entries must be sent to Godfrey Ramalisa (godfreyr@cesa.co.za) no later than **Friday, 2 August 2019**.
- 9 **BENEFITS:** Participants and Winners will be announced at the CESA Aon Engineering Excellence Awards Banquet on **Wednesday, 14 August 2019** at the Vodadome, Vodaworld, Midrand.

CRITERIA

The winners will be based on the following selection criteria:

- 1 Effectiveness of the Job Shadowing and/or School Talk in response to the THEME – **A day in the life of a Consulting Engineer**. (experience on the day – relevance, appropriateness, effectiveness and innovation of office and site visits)
- 2 Firm's commitment to the Initiative. (involvement of YPs and Senior Management; number of offices involved; number of learners exposed and continued participation, over the years, with learners/ same schools)
- 3 Quality, branding and visual impact of submission – Poster and write-up.

NB: For easy use pictures/poster and adjudication, submission should be made as follows:

- 1 Electronic posters must be sent in PDF format 300 dpi resolution and must be over 1MB in size.
- 2 The brief or write up summary must be no more than five A4 pages or one A4 page per office.

The entry form/s must be filled in and sent to Godfrey Ramalisa (godfreyr@cesa.co.za) by no later than **Friday, 31 May 2019**.

Members are encouraged to invite their YP's who were involved with the Job Shadowing to the CESA Aon Engineering Excellence Awards Gala Diner.

BENEFITS

There will also be a number of Job Shadow Poster prizes. Consulting Engineers South Africa (CESA) will be awarding the following prizes to the winning firms:

WINNER:

- 2 seats (for YP's only) at the CESA Infrastructure Indaba 2020 (conference date and venue to be confirmed) and
- 2 free admissions to the 'Road to Registration for Candidates' course at the **School of Consulting Engineering**.

RUNNERS UP (x2 prizes):

- 1 seat per runner up (for YP's only) at the CESA Infrastructure Indaba 2020 (conference date and venue to be confirmed) and
- 1 free admission per runner up to the 'Road to Registration for Candidates' course run by the **School of Consulting Engineering**.

CLAIMING THE PRIZE:

- All Prizes MUST be claimed by Young Professionals only
- Only the registration fees are paid for - Travel and accommodation for the YP's will have to be managed and arranged by the winning company.
- All details of the YP's attending the Conference and course must be sent to Bonolo Nkgodi (bonolo@cesa.co.za) and Brenda Lacey-Smith (brenda@cesa.co.za)