

## Technologists Keep The World Working.



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## **No1. Editor's Note.**

*In the few years we have sent short News notices regularly to members by E Mail instead of a newsletter. Thus you have received IPET latest news quite often by E mail instead of a Newsletter that appears only occasionally.*

*According to our latest website back-office stats, we sent more than 6000 emails to our members last year. As this is a bit heavy it was decided that the IPET News, if short, will be sent out by E Mail, but longer News will only be put on the Website. E Mail notifications of these longer News items will however still be sent to members who will have to download them from the Website.*

***Please visit our Website at least monthly for News!!***

**[www.ipet.org.za](http://www.ipet.org.za)**

*I encourage all members, sections and interest groups to send your news articles, comments, any items of interest or ideas to [engineer@netactive.co.za](mailto:engineer@netactive.co.za) .*

*Best wishes*

*Editor Viv Nel*

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*“The task of the modern educator is not to cut down jungles, but to irrigate deserts.”*

**CS Lewis.**

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## **No. 2. Membership Fees.**

### **IPET annual membership fees for 2023 have been set at R650 for most grades of membership.**

While this is an increase since last year, IPET is one of the cheapest institute's to belong to.

***ECSA registered IPET members get an ECSA discounted year fee.***

***Members also are offered vastly discounted courses for CPD.***

The discount on the ECSA fee is around the same as the IPET fee.

So it pays to belong to IPET!!

**Fees for 2023 were due in April 2023. For most members except for the ones who joined late in the financial year. To those who have not yet paid please do so!!**

**And Yes** invoices have been sent out to all members. Unfortunately some E mail addresses do not work or are blocked at the receivers end. This applies particularly to company addresses where the E mail from us may be seen as spam. This includes Eskom, most Government and Municipalities and some engineering firms.. This is something the member must sort out with their IT as we cannot fix this from our end.

*Note T 's & C's apply.*

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*“Gambling, beer and football filled the horizons of their minds.”*

**George Orwell**

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No. 3. *Letter from ECSA.*

## **ECSA: Changes to Voluntary Association Discount for the 2023/2024 Financial Year End**

The above subject matter has reference.

The **Engineering Council of South Africa (ECSA)** hereby announces the changes to the VA discount for the 2023/2024 financial year. Following the internal cost review that was carried out in FY22/23, the cost of the VA discount was analyzed and quantified. Subsequently this has resulted in a reduction of the discount by 5% and the money recouped will be used to fund programs that will unblock our registration pipeline at candidacy level and assist in the implementation of professionalisation of the Public Sector.

Furthermore, there are a number of initiatives where **ECSA** will partner with the VA's to: attract students, convert candidates and retain professionals. **ECSA** will also be working with SETA's in our sector to provide funding for these programs to meet some of the financial obligations of the targeted candidacy and mentoring programs. Details of these engagements will be discussed in the President's forum as part of the proposed VA engagement framework which will be taking place on the 22nd day of June 2023.

Even though we have reduced the discount for members belonging to VA, however **ECSA** has provided a below CPI increase to the registration fees of 5% and increased the early bird discount which your members will benefit from.

As always, we appreciate your feedback, so please let us know if you have any questions or need any further clarity @ [engineers@ecsa.co.za](mailto:engineers@ecsa.co.za).

**Yours Sincerely,**

Dr. B. Ssamula  
*Chief Executive Officer (CEO)*  
Date: 28 April 2023

Contact [engineers@ecsa.co.za](mailto:engineers@ecsa.co.za) for further clarity

***THUS NEW FEES ARE:***

**No3. ECSA Invoices for Annual Fees: Important Notice For Members.  
(Scroll down)!**

Application and Annual Fees  
1 April 2023 to 31 March 2024  
(Vat included)

Application Fees (VAT included) - see Note 3

1. Candidate Categories - See Note 3:

Within one calendar year from the date of obtaining a qualification recognised for purposes of registration.	Later than one calendar year after the date of obtaining a qualification recognised for purposes of registration.
R956.00	R2 389.00

2. Education Qualification Evaluation - See note 3:

All applicants with foreign educational qualifications are required to have their qualifications evaluated.	R2 389.00
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3. Professional & Registered Categories - See note 3:

For Applicants with uninterrupted registration as a Candidate.	For Applicants not registered in any of the Candidate categories.
R4 772.00	R9 545.00

4. International Register:

Applicable only to persons already registered with ECSA who are applying for registration on the ECSA portions of the International Registers. This is a once-off fee. No annual fees are payable.	R4 772.00
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Annual Fees (VAT included) – see Note 1

Candidates <sup>(4)</sup>		Professional & Registered Categories	
Partial Exemption	No Exemption	Partial Exemption	No Exemption
R1 786.00	R1 985.00	R4 271.00	R4 909.00

Notes:

- (1) Annual fees are payable by all persons registered for as long as they are registered with ECSA, annual fees are raised every year for the period April to March.
- (2) Payment details:
  - a. Persons in foreign countries who are experiencing difficulties making payment by credit card are advised to use the Online Portal to make payment on Sage Pay or Netcash.
  - b. Credit card payments can be made by scanning the secure Sage Pay QR code or by clicking on the Sage Pay Online icon appearing on your invoice.
  - c. Banking details: Standard Bank Eastgate Branch, Branch Code 018505, Account No. 221285938. Swift code SBZAJJ.
  - d. The accepted methods of payment are EFT, Netcash(Sage Pay) or deposit made at any Standard Bank branch into ECSA's bank account. No cash will be accepted at ECSA's Offices.
  - e. For EFT payments, please use the reference number at the bottom of the invoice.
- (3) No Applications will be considered until payment for the full application fee has been received.
- (4) Persons registered in the Candidate category for more than six (6) years pay the same annual fees as persons registered in the Professional category.
- (5) Appeals. When a person wishes to appeal, a fee of R8 400.00 is to be paid by all.
- (6) An Early bird discount is granted to Registered persons if their annual fees for April to March are paid on or before 30 June. The discount is R100 for Candidates and R250 for Professionals, VAT inclusive.
- (7) In addition to the annual fees in arrear, an admin fee of R500 is payable when reinstating a registration within one year of cancellation. After one year of being cancelled persons will need to re-apply for registration.
- (8) Persons who will be residing outside the RSA borders for a year or longer should advise Accounts of their overseas postal address in order for VAT to be removed from their invoice.
- (9) The fee for persons between the ages of 55 and 70 who have been granted the retired dispensation will be R326.00 (VAT inclusive).

Signature 

Date...05-04-2023

***ECSA seldom shows the full fee and the discount with the reduced total on any of their invoices. They show only the bottom-line figure, so recipients are never sure if discount has been allowed or not. Therefore members must check any invoice they receive from ECSA to ensure that the discounted figure is there!***

A copy of your membership letter or a CPD certificate from COET can be used to prove COET membership. CPD certificates for the past year were sent to members (but are not actually required by Candidates). CPD certificates for the current year will only be sent out after April.

***Kindly note that members have to take up fee issues with ECSA direct as we are not allowed to do this on their behalf. (POPI act etc).***

**Contact ECSA direct at [engineer@ecsa.co.za](mailto:engineer@ecsa.co.za)**

el:	<b>(0861) 225 555</b>
Fax (General):	(011) 622 9295
Fax (Accounts & Call Centre):	(011) 616 1855
Fax (Admin):	(011) 607 9556
Fax (Legal):	(011) 607 9547
E-Mail:	<a href="mailto:engineer@ecsa.co.za">engineer@ecsa.co.za</a>

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*“Politicians are not born; they are excreted.”*

**Marcus Tullius Cicero**

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## **No 4. News from ECSA.**

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### **ECSA Recognition.**

As you know IPET is recognised by ECSA as a

IPET is entitled to use the title "ECSA CPD Licensed Body.

ECSA introduced a new set of requirements for CPD course PROVIDERS. These are onerous and at a recent on line meeting with ECSA many Voluntary Associations raised objections to the system.

If the system is not changed it will result in many CPD providers not bothering to apply to do CPD courses. The net result will be that CPD courses will become scarce and expensive which the VA's believe is the last thing ECSA should desire.

*ECSA has under took to look into the matter last year but no progress has been seen to date!*

### **CPD Audit by ECSA.**

*Recently ECSA conducted an audit of IPET as far as CPD courses and other matters are concerned. This took a whole day, mainly on line, as well as many days of paperwork that was submitted to ECSA before the meeting. ECSA states that it takes these audits as a developmental exercise. It was however somewhat bureaucratic and time consuming. Some faults were found and verbally mentioned, but the written report back to IPET may take several months as the reports have to be cleared by an ECSA committee that only meets about every 3 months.*

*Other VA's have also been audited with similar results. This audit is going to happen every 3 years.*

### **VA and ECSA Liaison.**

Recently the CEO of ECSA, Dr Bridget Ssamula and her Registration and CPD managers, met with the SAICE team, Friedrich Slabbert and Tom Mckune, SAIEE CEO Leantse Matutoane, SAIMEchE CEO Uncel Mhelembe and IPET CEO Johan de Koker to discuss concerns raised many ECSA registered voluntary association (VA) members and to lay the foundation for wider consultation between ECSA and the VAs operating in the Engineering Professional space. Registration of academics and public servants, CPD and CPD audits, IDoEW and a host of other matters were openly discussed.

The CEOs of the VAs were very pleasantly surprised by the willingness of the ECSA team to listen to their concerns and the initiatives being put in place to provide a better service to the professionals and candidates registered with ECSA. The VAs undertook to assist ECSA where they can, not the least with manpower and consultation where required.

The meeting was scheduled for two hours but went on well beyond knock off time for another two hours, and it was decided to have regular consultation meetings between ECSA and the VAs in time to come.



On the photo attached are left to right Tom Mckune (SAICE), Leantse Matutoane (SAIEE), Dr Bridget Ssamula (ECSA), Johan de Koker (IPET), Uncel Mhelembe (SAIMEchE) and Friedrich Slabbert (SAICE).

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## Identification of Engineering Work News.

Hi all,

**You need to be aware of this. See Ecsa Board notice 21. In Government Gazette.**

**26 March 2021 Vol 669 No 44333 Identification of Engineering Work.**

1. CBE issued circular that persons will not be permitted to undertake work if not registered.
2. Deadline for compliance is March 2024.
3. Staff in public sector affected as there will be no promotion if not appropriately registered.
4. Secretariat to circulate gazette. See link below!!

Gov Gazette available at [www.gpwonline.co.za](http://www.gpwonline.co.za)

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*“The supreme quality for leadership is unquestionably integrity. Without it, no real success is possible, no matter whether it is on a section gang, a football field, in an army, or in an office.”*

**Dwight D Eisenhower**

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## No 5. Continuing Professional Development (CPD) Certificates.

Your CPD certificate proves your valid membership for the year ending 2023. This entitles you to claim one credit on the Engineering Council of South Africa (ECSA) CPD system (Category 3).

*Please note that CPD only applies to individual ECSA registered members and not Company, Sponsor or unregistered members. Also note that you are still required to gain credits in Categories 1 and 2.*

If you have not received a CPD Certificate, it is probably due to one or more of the following reasons: -

- You are not listed as being registered with ECSA or you have not advised us of your ECSA registration and ECSA number.
- Your membership account is in arrears. Your address has changed.
- Other.

Please contact us by E Mail if you have any enquiries in this regard.

E Mail. .

**Kindly note that CPD certificates for 2023 will only be issued to paid up members and that these will only be issued after the end of April unless the member has specifically requested so.**

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*“The real struggle is not between East and West, or capitalism and communism, but between education and propaganda.”*

**Martin Buber**

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## No 6. IPET Registration Advice Group.

Ipet has a Registration Advice chat group. Candidates for ECSA registration can ask any registration related question there, and get notification of our free webinars on registration there.

All the previous webinars on registration are also for free, at

<https://professionalcpd.co.za/courses/registration-of-technologists-at-ecsa/>

Go and look at <https://professionalcpd.co.za> under ‘candidate courses’ for the free ones with the ECSA and IPET logos on and pick the ones you want to see, and also listen to the questions asked by participants.

Members are requested to pass on this information to students and persons wishing to register with ECSA.

**A Thank you message recently received.**

Good day Johan,

I would like to express my sincere gratitude towards the assistance I received from IPET on my ECSA PR Technologist application for registration. I successfully got registered in March.

Thank you Johan and Chris for the excellent work that you are doing.  
Please keep it up, it's assisting many people out there.

Kind Regards,  
XXXXXX.

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**Cape Town E-Prix is city's biggest events' earner in decade**

A Nielsen report puts the economic impact of the Cape Town E-Prix at over R1 billion, making it one of the city's biggest events in the last decade.

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***No 7. IPET Awards explained***

(The Institute of Professional Engineering Technologists)

IPET annually awards the leading graduates in engineering technology programmes at participating Universities of Technology with a great medal and a certificate. The highest achievers country-wide are awarded special recognition.

Only ECSA-accredited engineering technology programmes leading to registration as Professional Engineering Technologist are considered. Nomination and awards are on the basis of highest academic achievement, with a minimum average of 75% required to qualify.

The IPET award is the highest honour that an engineering graduate from a University of Technology in South Africa can achieve at Technologist level. Since 2003, awards have been made to the highest achieving lady and male, with the aim to award excellent academic achievement and encourage gender equality.

Since the awards function is held at a venue in Johannesburg, Universities are required to carry the transport and overnight costs of their nominees from outside Gauteng, and to also nominate a representative of staff to attend the awards function.

The nominees for the last two years were as follows:

**2021 cohort**

NAME

***Male nominees***

Thabang Joel Mphahlele

Shaeel Baliram	Electrical	Durban UoT	
Marnich Hattingh	Civil	Tshwane UoT	
Kagiso Mokwana	Mechanical	UNISA	
Phinda Runeli	Electrical	Nelson Mandela U	In Germany
Robin Payne	Mechanical	Cape Peninsula UoT	

***Lady nominees***

Ivana Govender	Civil Structural	Durban UoT	Top in S Africa
Michelle Steady	Electrical	Nelson Mandela U	In New Zealand
Nancy Namululi	Mechanical	Cape Peninsula UoT	In Zaire



Tanatswa Beauty Saira	Civil	Univ Johannesburg	In Canada
Nonsikelelo Mzimela	Electrical	UNISA	
Lindi Erasmus	Civil	Tshwane UoT	

## 2022 Cohort

### Male nominees

Moise Mahmoud Kalenga	Extract Metallurgy	Univ Johannesburg	Top in S Africa
Nicholas Graeme Brown	Mechanical	Cape Peninsula UoT	
Ifeoluwa Isaac Akinwotu	Chemical	Tshwane UoT	
Justin Schwark	Electrical	Nelson Mandela U	In New Zealand
Xandre Van Jaarsveld	Electrical	Durban UoT	
Vincent Mlungisi Dlamini	Electrical	UNISA	

### Lady nominees

Mvulane Reed	Civil	Tshwane UoT	Top Lady 2022
Takalani Ntshauba	Civil	Univ Johannesburg	
Roxanne Liza Botha	Chemical	Cape Peninsula UoT	
Sune Prinsloo	Electrical	Central UoT	
Aqueelah Adam	Industrial	Durban UoT	
Inge van Jaarsveld	Industrial	Nelson Mandela U	

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### No 8. Services Offered By Members.

*In conjunction with our sister organisation the following Website may be of use.*

*(Adverts for members)*

*Please visit our sister organisation Website.*

<http://engineersdirectory.co.za/>

***Wherever possible support your fellow members!***

***If links don't work please type in the text into your internet browser.***

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### No 9.

#### Snippets.

*The following mini articles, notices and news follow the trend of interesting scientific, engineering developments and general interest items that we have come across. Read and enjoy!*

*Please feel free to contribute by sending your items to share with our members!*

*Ed*



### **# 1.5 hours.**

How much sunlight hitting the Earth's surface is needed to satisfy the world's energy consumption for an entire year!

### **# There is a UN office for Outer Space Affairs!!**

### **# Cell Phones!**

There are about 5-billion active cell phones at the moment out of a global population of 8-billion. That means basically every adult on earth has one.

### **# Vinyl over takes CDS for the first time in 35years.**

Latest report (2022) from the Recording Association of America (RIAA) shows astonishing trends in physical music formats. Revenue grew for the seventh consecutive year (\$15.9Bn) Streaming broke records with subscriptions from 92 million (\$92million). Physical music in the form of Vinyl grew 17% to \$1.2bn which is the sixteenth consecutive year of growth. Vinyl out sold CDs for the first time since 1987!!!

### **# Construction resumes on KZN barrier wall to combat cross-border crime.**

KZN government and Dept . of Public Works is building a wall of concrete New Jersey barriers to stop cross-border crimes like the theft of motor vehicles which end up in Mozambique. The first phase of 8 km will be from the boundary of the Isimangaliso Wetlands Park to the west boundary of the Tembe Elephant Park. The cost some R271 million. The project initially started in 2020 at some R5 million with 156 concrete barrier units.

### **# SA Post Office in sight of its final resting place after being placed under provisional liquidation.**

The SA Post Office's financial situation is essentially beyond redemption. It owes creditors at least R4.4bn. A creditor of the SA Post Office has emerged successful in its high court bid to have the state-owned entity placed under provisional liquidation. (COET no longer uses the Post Office).

### **# Scientists Calculated That About 20 Quadrillion Ants Are Roaming Earth Right Now.**

Scientists, from Julius Maximilians University (JMU) consulted 489 scientific studies discussing the matter, covering all continents, major habitats, and biomes on Earth.

As a result, they finally came up with an approximate answer. According to a paper published in the journal PNAS, our planet harbours about 20 quadrillion ants. That's 20 thousand million millions, or in numerical form, 20,000,000,000,000,000 (20 with 15 zeroes).

Moreover, researchers also estimated the weight of all these ants. Researchers estimated that it is about 12 million tons. Scientists found that the weight of all ants is more than the total mass of all wild birds and mammals combined (except humans).

### # ~300 million jobs

... is the number of full-time jobs AI could replace, according to a Goldman Sachs report. OpenAI, the creator of ChatGPT, says that 80% of US workers could see at least some of their tasks taken over by large-language models.

### # **Heart FM debuts AI-generated presenter.**

Jay I, a radio presenter generated by artificial intelligence software, took to the airwaves in South Africa over the Easter weekend. The Western Cape Radio station aired South Africa's first AI generated presenter in the hours of 01h00 to 04h00 on Saturday 8 April 2023. Jay I's intellect, personality and opinions were entirely artificially generated and evolve according to listener's feedback and other inputs. The voice is a representation of several professional voices tuned to deliver a great voice for radio. According to station management, a permanent place in the presenter line-up is not yet on the cards, but it this is not completely off the table.

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*Ed. If we had an AI government the country could be in a better shape than now??!!*

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#### **Part 10**

##### **Unsubscribe Option.**

**As a member of IPET you should want to receive the E News. If however u do not want to receive the IPET E News as an E Mail then you have the option to unsubscribe.**

To unsubscribe send an email with "**IPET unsubscribe newsletter**" in the text to [engineer@netactive.co.za](mailto:engineer@netactive.co.za)

#### **Part 11.**

##### **O. & O. E.**

The Institute of Professional Engineering Technology (IPET), its agents, volunteers, workers and members cannot be held responsible for errors in, amendments to, or any damages whatsoever arising from information published in good faith. Opinions expressed by contributors are not necessarily shared by IPET.

**SEE NEXT  
PAGE.!!**

**We no longer post items. Post only used in special cases. Please get an E Mail address so we can communicate with you.**

*Your E mail, if you have one, does not always work! Please complete & return this form for updates.*

Note that E mail addresses that end in Spoornet, Transnet, Eskom and Gov (Government) are usually blocked at your end.

E Mails to some Consulting firms are also blocked.

Aurecon & ones ending in  
Telkomsa.net included!

You have to fix this at the/your receiving end as we cannot solve this for you.

***We recommend members use private individual E Mail addresses instead of Company addresses.***

**Provide us with your E mail address so we can send our regular News etc to you. Thank you for co-operation.**

***Thanks from E Mail. admin@ipet.org.za***

***SEE FORM BELOW.***

**Form for Individual Members**

Last name		Initials	
First Names			
Your Preferred Postal Address		Postal code	
Alternate or Work Postal address		Postal code	
Name of Employer / Company			
Your or your Companies main field of engineering			
Work Tel (include area codes for all numbers)		Work Fax	
Home Tel		E Mail	
Cell No		Alternate E Mail	
Membership Number			

<b>Engineering Council of SA Registration Number (If applicable)</b>			
I D Number		Birthday, Year, Month, Day	
Race (For statistical purposes only)	Asian (Indian etc) = A Black = B	Coloured = C White = W	

**Together We can Achieve more in engineering**  
 IPETUpdate2023