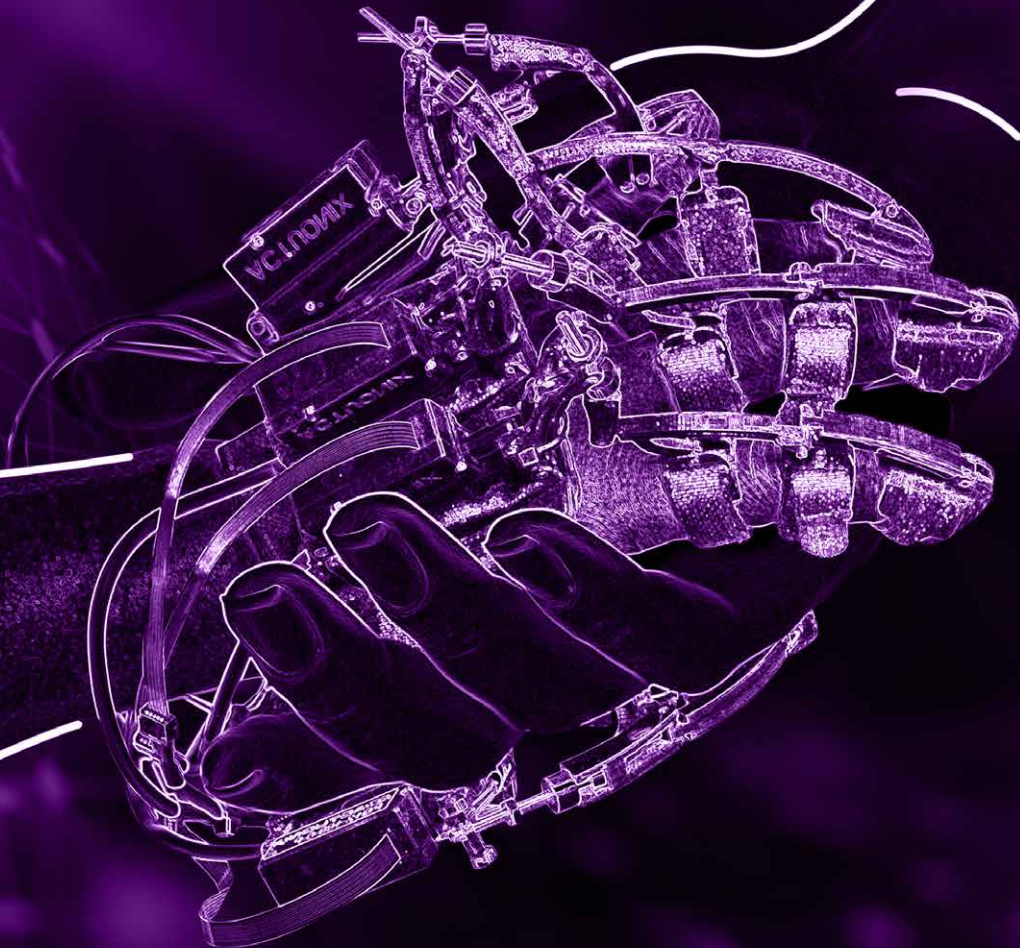




NWU®

NORTH-WEST UNIVERSITY  
NOORDWES-UNIVERSITEIT  
YUNIBESITHI YA BOKONE-BOPHIRIMA



GO TLHAMA BOLENG KA MOKGWA WA GO AMEGA  
KA BA BANGWE

POROFAELE YA 2020/2021



# DINTLHAKAKARETSO

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mo SA

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Bophirima (YBB)

Nngwe ya diyunibesiti di le 14  
tse di tlwaelegileng mo SA



Diyunibesiti tsa Aforikaborwa

Lekgotlataolo la ditheo tsa  
thutogodimo tsa Aforikaborwa

## Setshwantsho sa tsebe ya mo pele

### NeuHand e e tlileng go fetola mokgwa wa go tsosolosa seatla morago ga seterouku

Setshwantsho se se ka fa pele ke sa NeuHand go tswa kwa Legorong la Boenjenere, e leng tsamaiso ya go tsosolosa seatla morago ga seterouku. Tlhamosešwa eno ke sekai sa setlhogo sa rona se se reng, "Go tlhama boleng ka mokgwa wa go amega ka ba bangwe".

Mefuta mengwe ya bogole jo bo fetolang botshelo ka ntsha ya seterouku, ke bogole jwa seatla. Ka lesego, tlhamo ya NeuHand, e ka mo go kgethegileng e tlhametsweng go tsosolosa seatla mo maemong a Aforikaborwa, e ka tisetse balwetse bano tsholofelo e ntšha.

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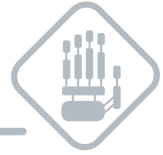
Go alosa baithuti  
ba ba rutegileng ka  
botlalo

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Go nagana  
bokamoso le go  
itsotsoropanya

(Tsweetswee ela tlhoko gore dipalo  
tsotlhe tsa 2020 tse di dirisitsweng  
fano ke tsa nakwana fela ka gonne  
tiro ya bofelo ya boruni e ne e sa ntse  
e tswetsetse.)

# GO NOTLOLOLA BOKAMOSO



## Mowa o yunibesiti e nang le one

Mowa o yunibesiti e nang le one o bontshiwa ke fa re notlololela batho bokamoso le go ba kgontsha go fitlhelela ditoro tsa bone.

Mowa ono o bonala mo ditirong tsotlhe tse re di dirang, go simolola ka dithuto tsa rona tsa akatemi le patlisiso go fitlha go sethlopha sa rona sa baithuti, go nna le seabe mo baaging le mo diphithlelong tsa metshameko. "Dinotlolo" tse re di dirisang go notlolola bokamoso jwa bana-le-seabe ba rona di akaretsa:

- ▶ Go tse[a mogopolo mo go tliseng dilo tsotlhe ka fa tlase ga taolo ya boditshabatshaba (ts14-15)
- ▶ Magoro a rona (ts20 - 31)
- ▶ Mananeothuto a rona a a tlhomologileng (ts20 - 31)
- ▶ Go ithutela kgwebo (ts20 - 31)
- ▶ Kgono ya rona ya go ithuta kgakala le setheo sa thuto (ts32)
- ▶ Metshameko ya rona ya maemo a a kwa godimo (ts37 - 39)

## Letshwao la YBB

Digoke tse di gokaganang tsa letshwao leno di tshwantshetsa go nna seoposengwe ga yunibesiti ya rona.



## Moono

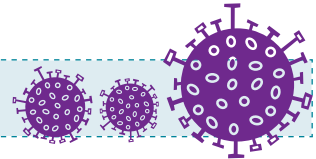


## Diphetogo tsa dijethale

Re tlhama leano la kgwebo ya dijethale, le le amanang thata le diphetogo tsa ka moso tsa dijethale le go amogela phetogo ya Lekgetlo la Bone ya Diintaseteri. Go dira jalo go amana le ditsela tse di mosola tsa go nonotsha thekenoloji e

e tsenang go dira gore maitemogelo a go ithuta le go atlega mo dithutong tsa akatemi ga moithuti wa YBB go nne le boleng.

## Go tsibogela Covid-19 ga rona



Bomankge ba ba tswang kwa magorong a a farologaneng ba ne ba kopanela mo ntweng kgatthanong le lerorobobo la Covid-19. Thuso ya bone e ne e simolola ka go tlhamela dikolo sediriso sa go ithatlhoba pele se se ikgapetseng awate sa go netefatsa teko e ntsha ya Covid-19 le go bolelela pele gore mogare o tile go re ama jang kwa Porofenseng ya Bokone Bophirima.

E re ka re ikemiseditse go tsweletsa pele ngwaga wa dithuto mme re ntse re bolokile badii le baithuti ba rona ba sireletsegile, re simolotse thulaganyo ya go ithuta ga baithuti ba se mo setheong sa thuto, e e akaretsang go ithuta ka tiriso ya inthanete le go ithuta baithuti ba le kgakala le setheo sa thuto. Baithuti ba ba tshwanelegelang go newa dilepothopo le deitha, re ba neile tsone go tlhomamisa gore ga go baithuti bape ba ba saeleng kwa morago.

# GO DIRAGADIWA GA DITORO TSA RONA



## Setheo se se leng seoposengwe

YBB e ikaeletse go dira e le seoposengwe, e le yunibesiti ya dikhamphase tse di kopaneng e e tla tlisang tekatekano, go baakanya diphoso tsa nako e e fetileng le go gaisana le ditheo tse dingwe mo lefatsheng lotlhe ka go ruta le go dira patlisiso mo dikhamphaseng tsotlhe.



## Togamaano ya rona

Go fetola le go baya YBB mo boemong jwa go nna setheo se se leng seoposengwe sa maemo a a kwa godimo thata a dithuto tsa akatemi, se se ikemiseditseng go diragatsa tshiamiso mo loagong.



## Ditoro tsa rona

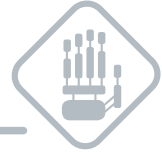
Go nna yunibesiti e e itsegeng mo Aforika, e e tlhomololang ke mokgwa wa yone wa go ithuta ka natla, e e tsibogela maemo mo loagong, le boitshwaro jwa yone jwa go amega ka ba bangwe.



## Boikaelelo jwa rona

Go di goga kwa pele ka tthamosešwa ya go ruta le go ithuta le ka patlisiso ya maemo a a kwa godimo, le go solegela setšhaba molemo ka kitso.

# KOO TSOTLHE DI DIREGANG GONE...



Ditiro tsa rona tsa konokono, go ruta le go ithuta le go dira patlisiso, di dirwa mmogo le tiro ya go nna le seabe mo baaging le tshamosešwa mo magorong a rona a a robedi, ao bontsi jwa one e leng a baithuti ba ba ithutang ba le kgakala le setheo sa thuto kgotsa ba ba ithutang motlhatlheledi a le fa pele ga bone.

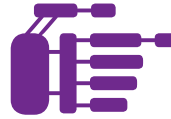


## ...go sa lebele seno

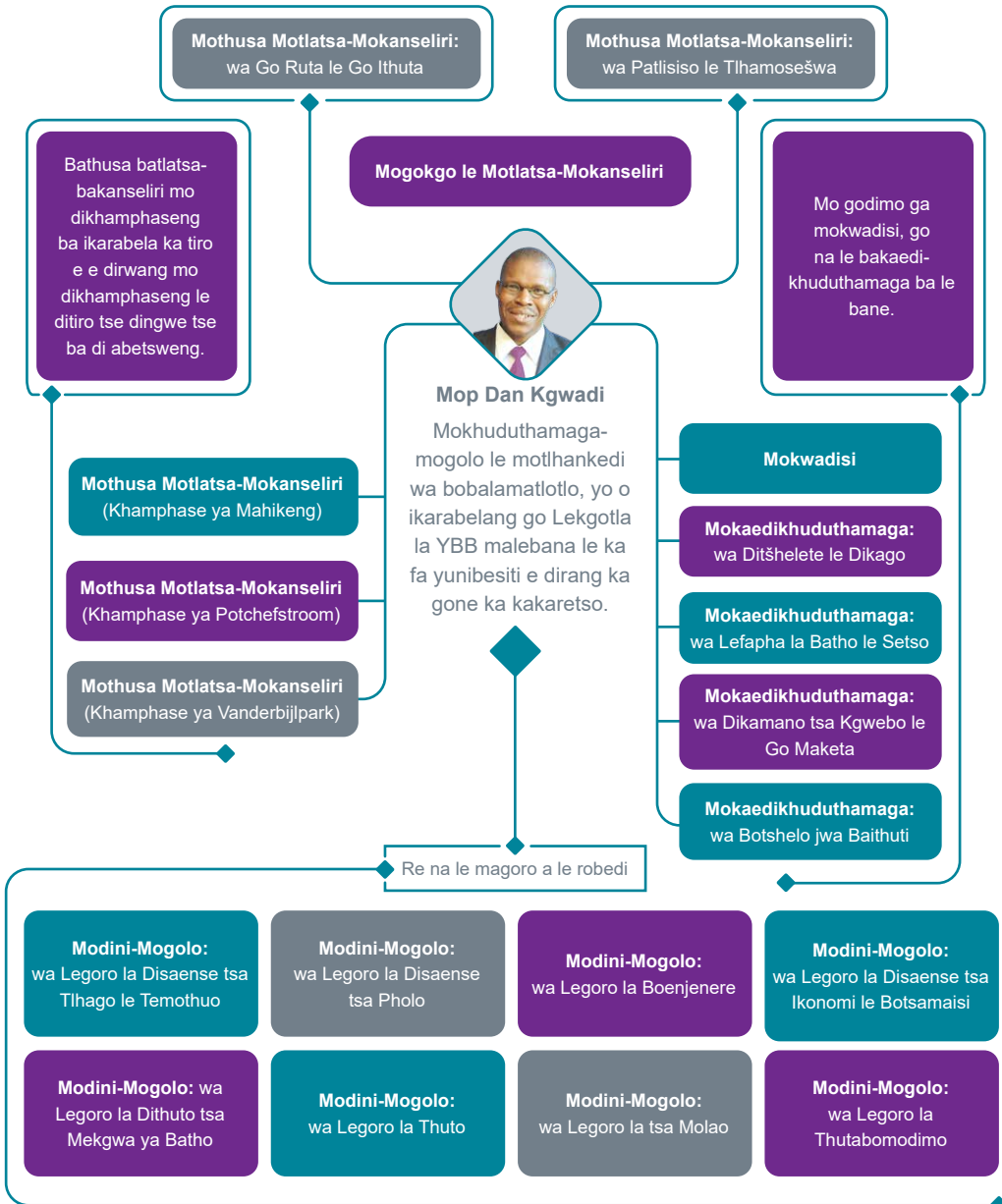
YBB e tla thusa go tshagisa badiri le baithuti ba ba ineetseng mo tironong le go dirisa motheo o melawana ya rona ya boitshwari e theilweng mo go one go ya ka molaotheo wa seriti sa botho, tekatekano le kgololesego:

- ▶ Mekgwa e mentle mo go sothle se e se dirang
- ▶ Go ikanyega mo go tsa akatemi
- ▶ Kgololesego ya akatemi le kgololesego ya go dira patlisiso ya saense
- ▶ Boikarabelo, go sikara maikarabelo a ditiro tsa rona, go sa gobebele le go dira dilo kwantle ga bofitlha bope
- ▶ Go amogela dipharologano

# DI DIRAGADIWA KE BOMANG?

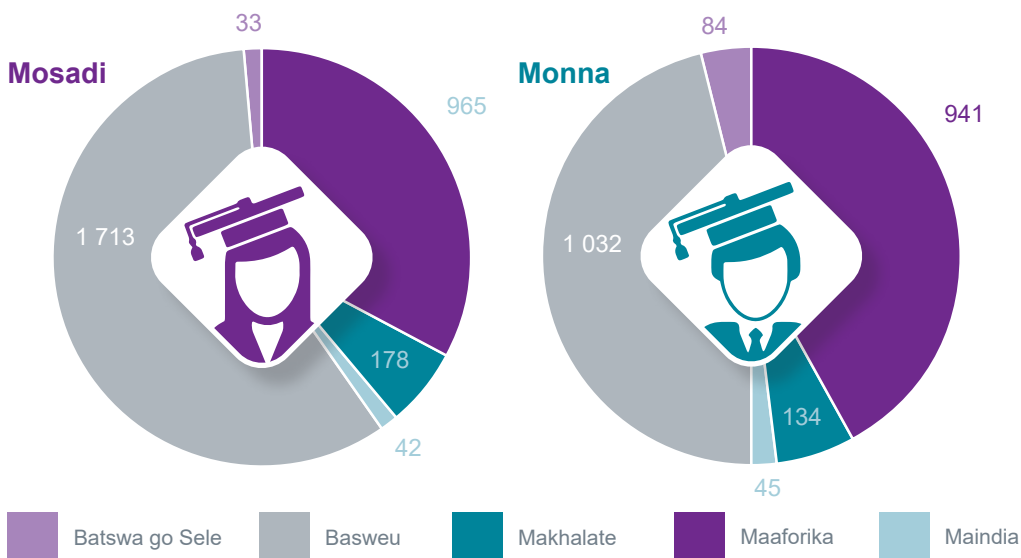


Boeteledipele  
jo bo ka  
ikanngwang



## Setlhopha se se atlegang

### Bong le morafe wa maloko a badiri ba YBB ka \*2020



**Mosadi palogotlhe: 2 931**

**Monna palogotlhe: 2 236**

*\*(Dipalo tsa 2020 ga di a felela)*

## Ka fa re tlhomelelang batho ka gone

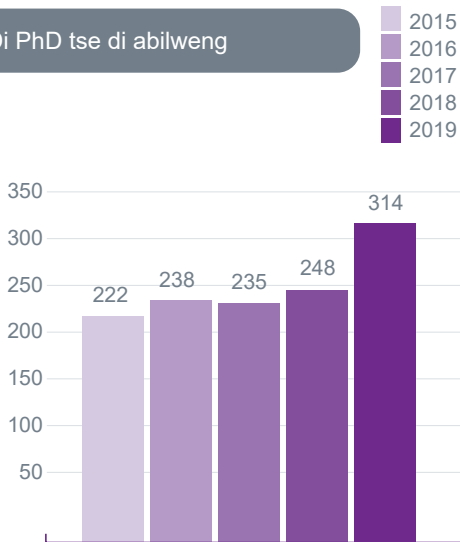
|                                                                                       |     |
|---------------------------------------------------------------------------------------|-----|
| Bakaedikhuduthamaga ba bantsho<br>(% ya palogotlhe ya bakaedikhuduthamaga ba bantsho) | 50% |
| Bakaedikhuduthamaga ba basadi<br>(% ya palogotlhe ya bakaedikhuduthamaga)             | 50% |
| Badiri ba bantsho (% ya palogotlhe ya badiri)                                         | 37% |
| Badiri ba basadi (% ya palogotlhe ya badiri)                                          | 57% |

## Baribolodi ba tsela e ntšha le babatli ba kitso

### Karata ya maduo a patlisiso

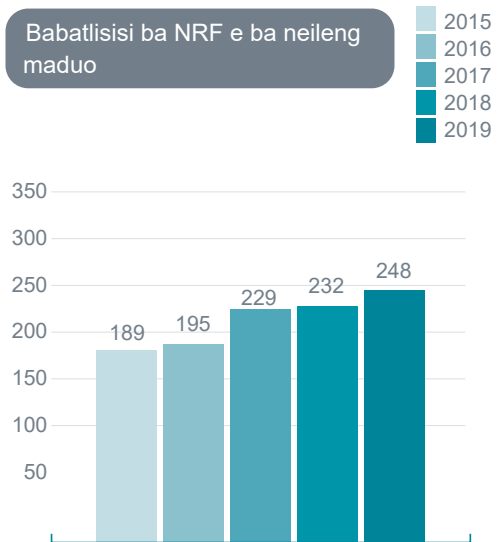
- ▶ 2 708,94 diyuniti tse di lekantsweng bokete tsa dipholo tsa patlisiso tsa ka 2018
- ▶ 1 438,281 diathikele tsotlhe tse di tlhagisiwang gangwe ka ngwaga tse di gatisitsweng ka 2018
- ▶ baakatembagolo ba le 215 ba morago ga gerata ya bongaka ka 2018

Di PhD tse di abilweng



Fa gare ga 2015 le 2019, diawate tsa di PhD tse di abilweng di ne tsa oketsega ka 41,4%.

Babatlisisi ba NRF e ba neileng maduo



Palo ya babatlisisi bao NRF e ba neileng maduo e ne ya oketsega go tswa go 189 ka 2015 go fitlha go 248 ka 2019.

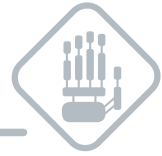
### Aga bokgoni jwa go dira patlisiso

Go rotloetsa badiri ba baakatemi ba ba oketsegileng go dira kopo ya go newa maduo le go oketsa dipholo tsa bone tsa patlisiso, YBB e na le lenaneo la katiso ya go ipaakanyetsa go neela dipuo mo khonferenseng, go kwala diathikele le mekgwa e e e gaisang yotlhe ya tiro ya go kwala manaane a dipotso tsa patlisiso.

### Go batlana le baithuti ba morago ga kalogo

Gape re godisa mefuta e e farologaneng ya bokgoni jwa go dira patlisiso ka go batlana le baithuti ba ba oketsegileng ba masetase le ba gerata ya bongaka. Ka 2019 re ne re na le baithuti ba morago ga kalogo ba dinaga di sele ba le 1 338 mo dikhamphaseng tsa rona.

# GO GAGAMALELA BOLENG: A RE YENG!



## Pholisi ya Dipuo ya rona e tlhomologile

Tumalanong le pholisi ya rona ya bopuontsi, re kgarathela go rotloetsa maemo a akatemi a dipuo tsa Seaforika tse di dirisiwang thata tsa dikgaolo tse dikhamphase tsa rona di leng mo go tsone, e leng Setswana le Sesotho. Re dira jalo mo godimo ga go boloka Seesemane le Seaforikane jaaka dipuo tsa jaanong jaana tse go rutwang ka tsone.

Gore re fitlhelele mekgele eno ya bopuontsi, re dirisa didirisiwa tsotlhe tsa puo tse re nang le tsone tsa badiri le baithuti ba rona, ba ba nang le manaane a a farologanang thata a tsa puo. Boikaelelobogolo jwa rona ke go fitlhelela tsela e e tokafaditsweng ya go ruta le go ithuta.

Re tla fitlhelela seno ka go tokafatsa maitemogelo a baithuti, a a akaretsang go amogela dipuo le fa e le dife fela tse baithuti ba tlang ka tsone mo yunibesiting.

Mo boemong jwa go nna le puo e le nngwe kgotsa di le pedi fela tse go rutwang ka tsone, re na le

tse mmalwa: e le nngwe e go rutwang ka yone (Seesemane, Seaforikane, Setswana le Sesotho), bopuopharologano, bopuopedi le go toloka fa go rutwa.

Gape re dirisa maano a a farologaneng go tlhohofatsa go ithuta mo tikologong e go dirisiwang bopuontsi mo go yone, go akaretsa le go toloka fa go rutwa, phetolelo le se go tweng ke go bua ga motho dipuo tse di farologaneng ka nako e le nngwe.

Seno se felela ka mekgwa le melaometheo ya go ithuta ka bopuontsi (mekgwa ya go ruta le go ithuta). Kwa bofelong, seno se tla dira gore baithuti ba rona ba nne le bokgoni jwa ditengthuto tsa go ruta le go ithuta, ba di tlhaganyane ka bottlalo le go di tlhalosetsa ba bangwe – mme ba tla kgona go dira jalo ka dipuo tsa rona tse di farologaneng.



Boikaelelo jwa rona ke go tlhama yunibesiti e mo go yone botlhe ba tla ikutlwang ba amogelesegile ka dipuo tsa bone le go kgona go dirisa dipuo tsa bone go ruta, go ithuta le go di bua le ba bangwe ntle le bothata.

# MOTSWAKO WA DITHUTO TSA AKATEMI



Tiro ya YBB ga se fela go ruta: re thusa baithuti go fitlhelela mekgele mengwe mo botshelong. Mo dithutong tsa akatemi, baithuti ba solegelwa molemo ke go itirela dithopho tse di siameng le go fetofetoga le maemo, go ba thusa gore ba fitlhelele bokgoni jwa bone ka botlalo le go simolola go ipaakanyetsa mekgele ya bone ya botshelo.

## Karata ya maduo a go ruta le go ithuta

Re okeditse fela thata palo ya go ikwadisa ga baithuti ba rona, maduo a go falola dithathobho le diawate tse di neng tsa abiwa fa e sa le ka 2004 fa YBB e ne e tlhongwa.

### Baithuti ba ba ikwadisitseng

2004 → 2019  
40 145 → 63 671

**58,6%**

Koketsego ya palogotlhe ya

### Maduo a go falola dithathobho a baithuti ba pele ga kalogo

2005 → 2019  
78,02% → 83,8%

**7,4%**

Koketsego ya palogotlhe ya

### Dithutego tse di abilweng

2004 → 2019  
9 657 → 14 961

**54,9%**

Koketsego ya palogotlhe ya

### Di PhD tse di abilweng

2004 → 2019  
87 → 314

**261%**

Koketsego ya palogotlhe ya

## Maduo a go falola dithathobho le dithutego go simolola ka 2015 go fitlha ka 2019

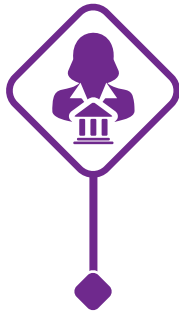
Tshobokanyo ya ngwaga le ngwaga ya tiro ya rona ya dingwaga di le tlhano tse di fetileng e re naya pono ya bošeng fela jaana.

|                                                            | 2015   | 2016   | 2017   | 2018   | 2019   |
|------------------------------------------------------------|--------|--------|--------|--------|--------|
| Maduo a go falola dithathobho a baithuti ba pele ga kalogo | 85,1%  | 86,16% | 85,08% | 83,2%  | 83,8%  |
| Maduo a kalogo                                             | 24,3%  | 27,62% | 25,6%  | 25,1%  | 23,5%  |
| Di dikirii le di dipoloma tse di abilweng                  | 15 597 | 17 510 | 16 004 | 15 350 | 14 961 |
| Go abiwa ga di dikirii tsa masetase                        | 742    | 744    | 813    | 753    | 798    |
| Di PhD tse di abilweng                                     | 222    | 238    | 235    | 248    | 314    |

# DIKGONO TSE DI BOTLHOKWA TSE DI THUSANG NAGA YA RONA



YBB e na le dithutego tse di farologaneng le mananeothuto a akatemi a a tsepang mogopolo mo go ruteng baalogi ba one dikgono tse di bonwang sewelo le tse di mosola mo baaloging ba tsone. Ba a rutwa motlhatlheledi a le fa pele ga bone, ba a rutwa ka inthanete le/kgotsa ba le kgakala le setheo sa thuto le ka dithekenoloji tse di tshwanetseng tsa go ruta le go ithuta.



## Barutabana

Legoro la Thuto le thusa thata gore re nne le barutabana ba ba tlhokegang thata ba ba rutegileng, le ba seporofesenale. Re tsepile mogopolo mo mananeothutong a pele ga kalogo le a morago ga kalogo a dikgono tse di kgethegileng tse di bonwang sewelo tsa thuto, tse di jaaka tsa disaense, mmetshe le dipuo tse di farologaneng tsa Aforikaborwa.

Ke ba le mmalwa fela mo Aforikaborwa ba ba kgonang go ruta dikgono tsa setegeniki. Legoro ke lengwe la ditheo di le mmalwa tsa thutogodimo tse di nang le seabe sa go katisa bathatlheledi ba bategeniki, ba puso le ba thekenoloji ya motlakase le boenjenera jwa go tlhama ditshwantsho ka khomphiutha.

## Babalamatloto

Ke rona fela yunibesiti ya Aforikaborwa e e rutang di dikirii di le nne tsa seporofesenale tsa bobalamatloto go fitlha kwa maamong a onase. Tsone ke BCom ya bobalamatloto jwa diforensiki, Babalamatloto ba ba kwadisitsweng, bobalamatloto jwa botsamaisi le bobalamatloto jwa ditšhelete.

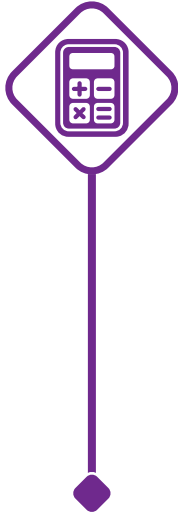
Gantsi baithuti ba YBB ba dira sentle fela thata mo ditlathlobong tsa go nna le dithutego tsa Setheo sa Aforikaborwa sa Babalamatloto ba ba Kwadisitsweng.

Gape re na le dithuto tsa di dikirii tsa masetase tsa dikgono tse di kgethegileng tse di tlhokegang thata tse di jaaka tsa bobalamatloto, bobalamatloto jwa diforensiki, tsa lekgetho, le tsa botsamaisi jwa lefapha la bobalamatloto.



## Bomankge ba Molao

Legoro la tsa Molao le itsege ka baalogi ba lone ba molao wa kgwebisano ya boditšhabatšhaba, molao wa tsa tikologo le tliabololo e e kgonang go itsetsepela, dirutwa tsotlhe tse di botlhokwa tsa naga e e tliabologang.



## Bomankge ba mmetshe, ba ba berekanang le dipalo le banetetshi ba tlhago

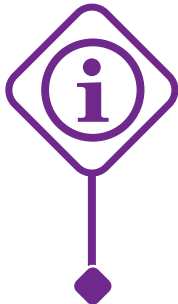
Re ruta dithutego di le mmalwa tsa pele ga kalogo le tsa morago ga kalogo tsa dirutwa tse di botlhokwa tsa mmetshe, tsa go berekana le dipalo le tsa disaense tsa tlhago. Mmetshe ke puo ya saense, eo tlhabololo yotlhe ya saense le ya patlisiso di ikaegileng ka yone e bile e tlamela ka mekgwa ya go kokoanya deitha, go e sekaseka le go ntsha pego ka yone.

Thutego ya serutwa sa go berekana le dipalo kwa YBB e bulela baithuti ditšhono. Lefapha la Saense le Tlhamosešwa le NRF di bitsa dirutwa ka kakaretso tsa go berekana le dipalo le re ke saense e e botlhokwa mme e le e e bokoa ka ntlha ya tlhaelo e ntsi ya dikgono tsa go berekana le dipalo mo intasetering ya poraefete tota le mo mafapheng a puso a jaaka Statistics-SA.

Gape re ruta dithuto tse di kgethegileng tsa mmetshe wa kgwebo le go kokoanya tshedimosetso tsa tshekatsheko ya kgwebo, botsamaisi jwa tshekatsheko ya bontsi jwa ditatlhegelo tsa madi le mmetshe wa tsa ditšhelete.

## Baitseanape ba dipalo, banetetshi ba deitha le dimmejara tse di thibelang ditatlhegelo tsa madi

Senthara ya Mmetshe wa Kgwebo le ya Go Boloka Tshedimosetso e na le mananeoethuto a le mmalwa a a tlagisang baporofesenale ba intaseteri ya ditirelo tsa ditšhelete, segolobogolo tsa inšorense le tsa go banka.



## Bomankge ba dikhomphiutha, ba tshedimosetso le diporokeramo tsa khomphiutha

Mo Aforikaborwa le mo lefatsheng ka bophara, go na le tlhokego e e potlakileng ya banetetshi ba saense le bathekenoloji ba tshedimosetso. Boikaelelo jwa mananeoethuto a rona ke go tlhomelela baalogi ka dikgono tsa maemo a a fitlhang kwa go a di dikirii tsa saense ya khomphiutha le diporokeramo tsa khomphiutha, le go ba katisetsa go lebana le dikgwetlho tsa Phetogo ya Lekgetlo la Bone ya Diintaseteri.

## Banetetshi ba Tlhago

Re alosa banetetshi ba tlhago, ba ba jaaka bafisika, bakhemisi le baithutatshelo ba ba batliwang thata mo ditirong tsa go tlhama, tsa moepo le batlhami ba melemo ya kalafi, gareng ga tse dingwe. Baalogi bangwe ba tsenela tiro ya patlisiso ya fisika e e tsenngwang tirisong, e mo go yone ba dirang patlisiso ka ga metswedi e sele e e phepa ya eneji kgotsa ya go dira gore dithulaganyo tsa go tlhama e nne tse di somarelang madi thata.

Balepadinaledi ba dirisa dikgono tsa bone tse di kwa godimo thata tsa go rarabolola mathata gore ba tlhame ditlamelwa tse di botlhokwa tsa thekenoloji le go dira dithibololo mo lefatsheng le kwa loaping.





## Badira ka puo

Mo Aforikaborwa ya popuontsi le ditso tse di farologaneng, go na le kgolo e e seng kana ka sepe ya badira ka puo ba ba nang le dithutego tsa dikgono tse di kgethegileng tsa bofetoledi, go tseleganya mokwalo, go toloka, go fetolela mantswa a a reeditsweng le ditshwantsho tse di kgonang go bogelwa le puo ya diatla. Thekenoloji ya puo le didiriso tsa puo tse di kgonang go tlhotlha puo le go e tlathloba le tsone ke ditiro tse di golang tse di etelediwang kwa pele mo go tsa thekenoloji le tshimologo ya Phetogo ya Lekgetlo la Bone ya Diintaseteri. Tseno tsotlhe ke ditiro tse re tsentseng baithuti ba pele ga kalogo le ba morago ga kalogo mo go tsone.

Baithuti ba morago ga kalogo ba na le tšhono ya go tlhama dikgono tse di kgethegileng tsa go dira patlisiso le go sekaseka mefuta e e gatetseng pele ya patlisiso, go akaretsa le ya go tlhama corpus le go dira ditshekatsheko, go latelela motsamoa ga leitho le go tsena mo komphiutheng ka go tobetsa dikonopo, go tlhama karolofefo ya khomphiutha le metšhini ya go ithuta.

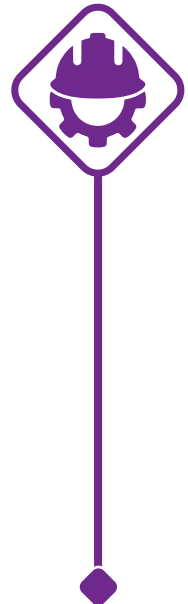
## Baenjenere

Ditiro tse re nang le bokgoni mo go tsone di simolola ka tsa boenjenere jwa dikhemikhale (go akaretsa le go tlhotlha diminerale) le boenjenere jwa dikhemikhale tse di sa tswakanngwang le sepe le jwa motlakase go fitlha ka boenjenere jwa metšhini e e dirang ka motlakase. Gore re tsamaisane le Phetogo ya Lekgetlo la Bone ya Diintaseteri, re ruta dirutwa tsa go ithutela dikirii ya boenjenere jwa khomphiutha le jwa eleketeroniki, boenjenere jwa motlakase le metšhini, le boenjenere jwa diintaseteri.

Mananeothuto otlhe a pele ga kalogo a golagana fela thata le tirisano mmogo ya intaseteri le ya patlisiso, mme e akaretsa le di dikirii tsa morago ga kalogo.

Ka ditheo tsa rona tsa patlisiso, re tlhomelela baenjenere le babatlisisi gore ba dire patlisiso ka ditharabololo tse di kopanetsweng tsa enoji, go akaretsa le maokwane a a dirilweng ka masaledi a ditshedi tse di suleng, maokwane a a dirilweng ka masaledi a ditshedi le enoji ya haeterojene.

Gape, gore re rute dikgono tse di bonwang sewelo, re tlhama didirisiwa tsa kalafi le dipolafomo tse re gwebang ka tsone, le go dira patlisiso ka thekenoloji ya popuontsi, metšhini e e dirang tiro ka tsela e e bothale jaaka batho, *dynamic modelling* le taolo, lefapha la diithaeletsano, go dira dipolane tsa difofane le go di tlhama.



## Bategeniki ba pholo ya diphologolo

Re katisa bategeniki ba pholo ya diphologolo ba ba nang le seabe se se botlhokwa thata ka gonne go na le tlhalelo e e seng kana ka sepe ya dingaka tse di katisitsweng tsa diphologolo mo Aforikaborwa, mme gape re alosa bategeniki ba ba katiseditsweng go dira patlisiso.

## Banetetshi ba melemo ya kalafi

Nngwe ya ditiro tsa Polatefomo ya DSI/YBB ya Tihamo ya Melemo ya Kalafi e e Lekelediwang ke go katisa baithuti ba morago ga kalogo ba ba ithutelang saense ya go tlhama melemo ya kalafi mo Legorong la Disaense tsa Pholo. Polatefomo eno e ne e tshegediwa ka madi ke beng ba yone ba ba e tlamileng, e leng Lefapha la Saense le Tlhamosešwa.



## Bomankge ba taolo ya melemo ya kalafi

Senthara ya WHO ya Tirisano mmogo ka ga Tlhomamiso ka tsa Boleng jwa Melemo ya Kalafi e tswela pele go tlhama dikhoso tse di ntšha tse di khutshwane tsa go aga le go nonotsha bokgoni jwa bathati ba boditšhabatšhaba ba taolo ya melemo ya kalafi.

## Batlhokomedi ba tshireletsego mo tirong

BHSc ya Tshireletsego mo tirong ke yone fela dikirii ya seporofesenele ya dingwaga di le nne ya batlhokomedi ba tshireletsego mo tirong mo Aforikaborwa. Seno gape se mosola mo dinageng tse di mabapi, tse thulaganyo ya tsone ya tshireletsego mo tirong e ikaegile ka molao le bokgoni jwa mo Aforikaborwa.



## Batoloki ba dipuo tsa bogologolo

YBB e tlhomologile ka ntlha ya go ruta dipuo di le mmalwa tsa bogologolo. Go nna le kitso ka dipuo tseno ga e bolo go nna bokgoni jo bo bonwang sewelo mme le fa e le baithuti ba le mmalwa fela ba ba ithutang dipuo tseno tsa bogologolo, batoloki ba ditokomane tsa bogologolo ba tlhokega thata.

## Dimmenejara tsa tikologo

Lefapha la Thutogodimo le Katiso le umakile botsamaisi jwa tikologo jaaka tiro e e "tlhokegang thata" mme le e biditse tiro ya boemo jwa bo 35 mo go 100 e e bonwang sewelo thata mo Aforikaborwa.

Prokeramo ya rona ya masetase ya go ithutela botsamaisi jwa tikologo, e e rutwang ke Yuniti ya Disaense tsa Tikologo le Botsamaisi, e tlamela ka katiso ya maemo a a kwa godimo ya morago ga kalogo le ka tiro ya go dira patlisiso e e amanang le ditsamaiso tse di farologaneng tsa tikologo le didirisiwa tsa teng.



## Barulaganyi ba toropo le ba kgaolo

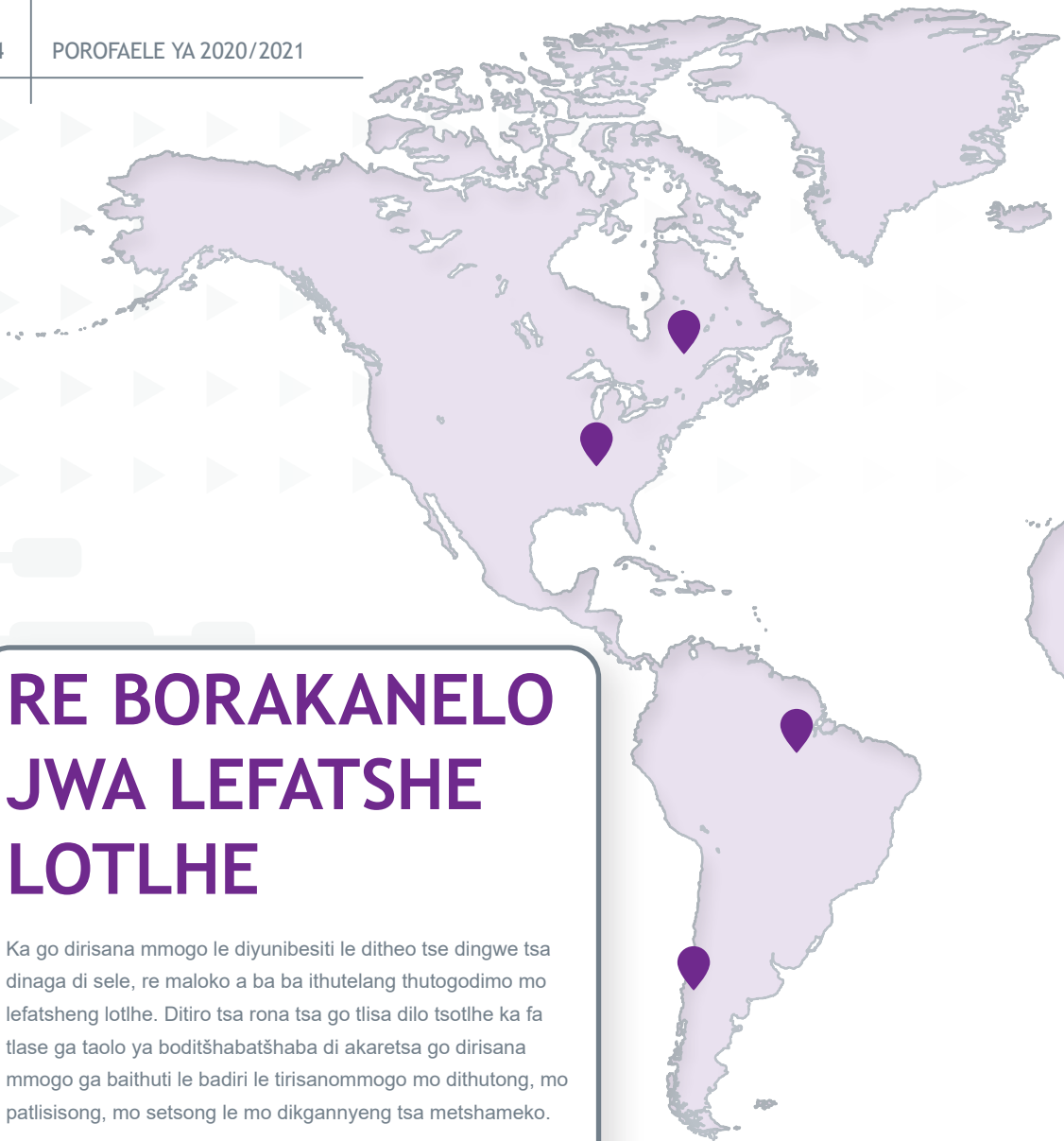
Borulaganyi jwa toropo le jwa kgaolo le jone ke bokgoni jo bo tlhokegang thata mo setšhabeng, gape ke nngwe ya dikgono tsa tse tlhano tse di etelediwa kwa pele tse di tshwaetsweng go newa tlhokomelo ka bonako mo pegong ya Joint Initiative on Priority Skills Acquisition (JIPSA).

Legora la rona la Disaense tsa Tlhago le Temothuo le na le serutwa sa Bsc ya borulaganyi jwa toropo le jwa kgaolo. Dikirii eno ya seporofesenele e ntshiwa semmuso ke Lekgotla la SA la Barulaganyi ba Toropo le ba Kgaolo.

# RE BORAKANELO JWA LEFATSHE LOTLHE

Ka go dirisana mmogo le diyunibesiti le ditheo tse dingwe tsa dinaga di sele, re maloko a ba ba ithutelang thutogodimo mo lefatsheng lotlhe. Ditiro tsa rona tsa go tlisa dilo tsothe ka fa tlase ga taolo ya boditšhabatšhaba di akaretsa go dirisana mmogo ga baithuti le badiiri le tirisano mmogo mo dithutong, mo patlisisong, mo setsong le mo dikgannyeng tsa metshameko.

Ka 2019, re ne re na le baithuti ba le 2 396 go tswa kwa dinageng tsa boditšhabatšhaba tse di fetang 70. Mo gare ga bone go ne go na le baithuti ba morago ga kalogo ba le 1 295, go akaretsa le baithutela gerata ya bongaka ba le 491.





### Tirisanommogo mo gae le kwa dinageng di sele

YBB e na le tirisanommogo le diyunibesiti di le dintsi mo Aforikaborwa le kwa moseja.  
(Leba mmepe wa lefatshe.)

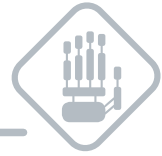
Gape re dirisana mmogo le ditheo di le mmalwa tsa boditšhabatšhaba lefatshe ka bophara. Ba ruta dirutwa tsa methalethale, go simolola ka tsa bongaka jwa kalafi, pholo, thutabomodimo le eneji go fitlha ka tsa dithuto tsa ikonomi, thuto e e tlwaelegileng fela, kgwebo le metshameko.

Mo Aforikaborwa, re dirisana mmogo le batsayakarolo ba dikgwebo le ba diintaseteri tse di jaaka tsa melemo ya kalafi, bojanala, meepo, banka le tse di tlamelang ka motlakase.

Gape re na le dikamano le ditheo tsa bosetšhaba tsa seporofešenale le makgotlataolo mo ditirong tsa boithutatlhologanyo, molao, thuto, pholo, bojanala, temothuo, bobalamatloto, lefapha la matlotlo, boenjeneri le mafapha a metšhini e e dirang jaaka batho.

Re buisana le mafapha a le mmalwa a porofense le a puso, le go dirisana mmogo thata le maloko a baagi, balaodi ba setso, ditelapa tsa metshameko (tsa selegae, tsa porofense le tsa bosetšhaba), diphaposi tsa kgwebo le bommasepala ba selegae.

# GO THUSA BAAGELANI BA RONA



## Go tlhomamisa gore diphelelo e nna tse di siameng tsa nako e telele

Go abelana le ba bangwe bokgoni jwa rona go tsamaisana le tiro ya rona ya konokono: (go ruta le go ithuta le go dira patlisiso) mme go gatelela diphelelo tse di tla nnang lobaka lo lo leele le ka fa di tla amang baagi ka gone.

Dingwe tsa ditiro tseno di tsenya lotseno lwa madi lwa boraro ka dikhoso tse di khutshwane, ka dikgakololano kgotsa ka go ruta ga bangwe thekenoloji.

Le fa go ntse jalo, gantsi ditiro tse re nnang le seabe mo go tsone gantsi ga se tse di nang le porofete. Go na le moo di kgontsha badiri le baithuti go tokafatsa maemo mo baaging ka go nna le seabe mo ditirong tsa tlhabololo, mo diporojeke tsa tirelosetšhaba, matsholo le go ithaopa.

Ditiro tse re nnang le seabe mo go tsone gape di akaretsa go dira patlisiso kaga baagi le go e dira le baagi. Ditiro tseno di dirisana mmogo, di akaretsa thutano le tiro e e felelang ka go ithuta ga baithuti kgotsa ditirelo tse di felelang ka go ithuta.

Ka 2019, YBB e ne e tshwaregile ka ditiro di ka nna 290 mo baaging. Mo godimo ga moo, kantoro

ya ga Mothusa motlatsa-mokanseliri ya go nna le seabe mo baaging kwa Mahikeng e ne ya etelela pele diporojeke tsa matsholo a le 10 le diporojeke tse pedi tsa laeaborari. Re tshwara diporojeke dingwe ka borona e bile re ile ra tsaya karolo mo go tse dingwe tse di etelelwang pele ke ditlhophapha tse dingwe.

Go ikemisetsa ga rona go nna le seabe mo loagong go akarediwa mo teng ga maikaelelo (mokgele) wa rona, o o akaretsang go ithuta ka natla, go tsibogela maemo mo loagong le mokgwa wa go amega ka ba bangwe. Re leba bommasepala ba bararo bao dikhamphase tsa rona di leng mo go bone jaaka baagi ba rona ba konokono.

Mo dikhamphaseng tse tharo, go ne ga duwa matsholo a ka nna 107 mo baaging a a neng a eteletse pele ke baithuti. Mo godimo ga moo, go nnile le ditiro tse dingwe tse di neng tsa dirwa fa di ne di tlhokega tse di jaaka matsholo a go rora metsi le go ema nokeng megwanto ya Mokgatlho wa Kankere wa Aforikaborwa.



Ka go tshwara tiragalo e nnye ya kirikete, re ruta ba bangwe bokgoni le go naya bana mo tikologong ya rona tšhono ya go ipelela itshidilo mmele ba ntse ba ithuta go le gontsi ka kirikete.

## Go nna le seabe mo baaging

Go naya maloko a baagi bokgoni, go tokafatsa dikgono tsa bone tsa tiro le go dira gore ba nne le seabe, re:

- katisa batlhokomedi ba dikeretšhe, maloko a di NGO, batlhankedi ba puso, beng ba ba simololang dikgwebo (ka go tlhoma mogopolo mo bagwebing ba sesadi) le go tlhomelela balemuri ba ba sa ntseng ba fatlhoga
- ba ruta bokgoni jwa rona jwa tiro ka mananeothuto a radio
- ba tlamela ka ditirelo tsa mahala tsa semolao le tsa go thusa batho ba ba sa kgoneng go duelela ditirelo ka ditiro tsa konokono tsa tlhokomelo ya diphologolo
- tlisa ditleliniki tsa metshameko mo teng ga dikhamphase kgotsa gaufi le dikhamphase



Ka babatlisisi ba ba nng le seabe mo porojekeng ya "Teachers without Borders" ("Barutabana ba ba sa Thijweng ke Melelwane"), dikolo di abetswe dimaekerosokopo tse di menwang tse di fetang 3000. Nngwe le nngwe ya tsone e na le lense ya maekerosokopo e e kgomareditsweng mo khatebotong. E ka kgona go kopanngwa motlhofo fela le ke barutwana ba bannye mme ga di ture gotlhelele fa di bapisiwa le dimaekerosokopo tsa gone jaanong.



Sekolo sa Thuto ya Saense le Thekenoloji se tlhamile didirisiwa tse di ntšha tsa go ruta le go ithuta mmetshe tsa dikolo. Thuto ya mmetshe e natetshwa ka metshameko, mmino le tiriso ya dipopae.

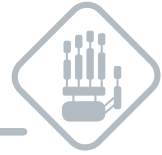
## Tirisanommogo le dikolo

Re baakanyetsa barutwana ba ba solofetsang ba kereiti 12 ditlhatlhobo tsa bone tsa materiki, re bula Sekolo sa Mariga le Beke ya Saense, re aba disete tsa MyLab le go thusa ka ditekeletso tsa saense ya tlhago.

Mo godimo ga moo, re katisa barutabana, badiri ba mo diofising le baeteledipele ba thuto, re thusa go tlhoma dilaeborari tse di ntšha kgotsa go thusa tse di leng teng go atolosiwa, re ruta baopedi ba ba botlana ba ba nang le bokgoni mmno le go thusa barutabana go lootsa bokgoni jwa bone jaaka bakatisi ba tsa metshameko.

Setlhophsa sa rona se se tlišang Diphelelo tsa lobaka lo lo lelele mo Tikologong le sone se weditse dipatlisiso di le mmalwa tse di kopanetsweng le dikgwebo le baagi, ka go lekanya diphelelo tsa dikgatotharabololo tsa bone mo loagong.

# TSHOMARELO YA DITSOMPELO



Tlhokomelo ya tikologo le go ruta batho ka yone e botlhokwa mo go rona. Ngwaga le ngwaga, re nna le dikgaisano tsa mafelobonno tsa baithuti tsa go somarela motlakase mme ga jaanong jaana re tlhotlhomisa gore ditsompelo tsotlhe di dirisiwa ka bontsi jo bo kae. Maiteko a rona a go tlhomamisa gore re ikobela melao yotlhe ya tikologo le melawana a nna le matswela. Kgato ya go baakanya diphoso e re neng ra e simolola morago ga fa tlhatlhobo ya go ikobela melao ya semolao e re neng re e dira e ne e le gaufi le go fela mme bontsi jwa ditiro tsa rona di dirwa go ya ka melao jaanong. Dithlopha tsa tiro di thusa go somarela le go fokotsa selekanyo se metsi le motlakase di dirisiwang ka sone. Go kwadilwe leano la terafote le pholisi gore di ye go sekasekwa go ya pele.

Ka Beke ya Lefatshe ka Bophara ya Phetogo ya Tlalaemete, re kgabisa ka dibuka tse di buang ka phetogo ya tlalaemete le go tshwara dipontsho tsa botsweretshi (diatshe tsa dilo tse di takilweng go simolola ka dilatlhwa tse di busediwang tirong gape) le go tshwara metlotlo ya diphanele ka kgang eno re dirisana mmogo le magoro a Molao le Thuto, a boeteledipele jwa baithuti.

## FLIP THE SWITCH

become part of the **CHANGE**

MAKE YOUR PURPLE MORE GREEN

### 5 SIMPLE WAYS TO REDUCE ENERGY CONSUMPTION

- 1 Switch off lights in unoccupied areas
- 2 Utilize natural light where possible
- 3 Set AC temperature to 23°C
- 4 Unplug unused appliances
- 5 Take shorter showers

**FLIP THE SWITCH**

SWITCH ON THE IDEA OF SWITCHING OFF

Boikaelelo jwa porojeke ya rona ya Tobetsa Switshi ke go lemotsha botlhe ka tiriso ya maatla a motlakase le gore e nna le diphelelo dife mo tikologong. Hosetele e e neng ya fenywa kgaisano ya bošeng e ne ya fokotsa tiriso ya yone ya maatla a motlakase ka 26% e e gakgamatsang.

# TLHAMOSEŠWA YA BOKAMOSO



## Lotseno lwa madi ka ntlha ya tlhamosešwa

### Go sireletsa le go gweba ka dithoto tsa ditshwanelo tsa semolao

Ga jaanong jaana go na le ditlhamo di le 40 tse di leng mo tirong tsa ditshwanelo tsa semolao tsa RSA mo photefoliong ya ditshwanelo tsa semolao ya YBB. Go na le ditshwanelo tsa semolao dingwe gape di le 260 tse di abilweng le go kwadisiwa kwa dinageng di sele. Di mo dinageng di le 59 fa di feletse. Go tla go fitlha jaanong, go kwadisitswe kgotsa go feditswe dikopo tsa batho ka bongwe di le 741 tsa ditshwanelo tsa semolao.

Kantoro ya rona ya Go Ruta Thekenoloji le Tlhamosešwa e laola dilaesense di le thataro mo boemong jwa YBB di tsentse lotseno lwa R811 123 ka 2019.

### Ditlamo tse di welang ka fa tlase ga seno

YBB e tlhama ditlamo tse di welang ka fa tlase ga seno tsa kgwebopotlana le ya bogolo jo bo mo magareng gore di dire tiro ya go gweba, go ruta batho dikgono tsa tiro le go gweba ka dithoto tsa ditshwanelo tsa semolao kgotsa tsa thekenoloji

Re na le kgathego mo ditlamong di le 27 tse di leng mo tirong tse di welang ka fa tlase ga setlamo seno.

## Go botlhokwa go dirisa madi ka botlhale

YBB ke yunibesiti e e se nang bothata jwa ditšhelete e e kgonang go dira porofete e bile e na le lotseno lwa madi lo lo golang.

Lotseno lotlhe lwa madi ka 2019: R5 411 milione

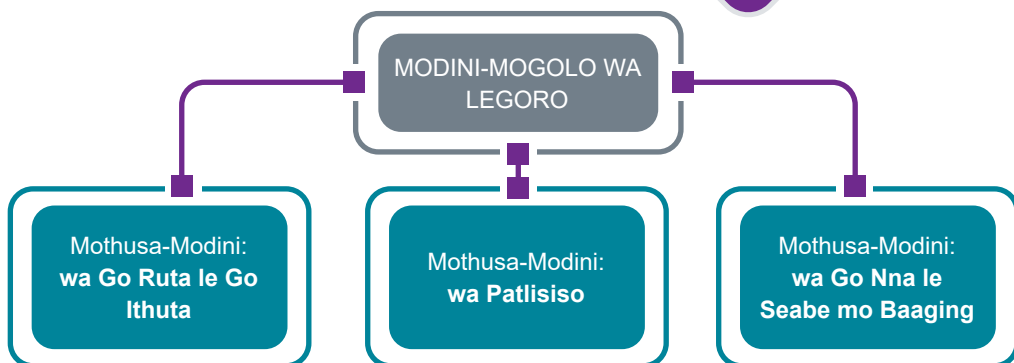
|                                                            | 2015    | 2016    | 2017    | 2018    | 2019    |
|------------------------------------------------------------|---------|---------|---------|---------|---------|
| Lotseno lotlhe lwa madi                                    | R3 527m | R3 838m | R4 193m | R4 901m | R5 411m |
| Go sala ga madi a a oketsegileng (dilo tse di ipoeletsang) | R136m   | R229m   | R500m   | R860m   | R906m   |
| Ditshenyegelo mo badiring/ditshenyegelo tsotlhe            | 54,7%   | 54,8%   | 55,9%   | 55,2%   | 54,2%   |
| Lotseno lwa madi lo e lo itiretseng                        | R946m   | R990m   | R1 038m | R1 166m | R1 190m |
| % ya lotseno lwa madi go tswa kwa pusong                   | 38,8%   | 40,1%   | 41,4%   | 41,0%   | 39,7%   |
| % ya lotseno lwa madi a dituediso tsa dithuto              | 33,2%   | 32,4%   | 33,8%   | 35,1%   | 34,7%   |
| Ditshenyegelo tsa madi a diporojeke tsa tlhabololo         | R63m    | R53m    | R72m    | R115m   | R119m   |

# MAFAPHA A A BOTLHOKWA A YBB: MAGORO A RONA



## Magoro a le

# 8



**Palo ya baithuti mo magorong a le robedi ke eno ya ka \*2020:**

| Legoro                             | Baithuti | Mmala wa legoro |
|------------------------------------|----------|-----------------|
| Thuto                              | 18 478   |                 |
| Disaense tsa Ikonomi le Botsamaisi | 10 800   |                 |
| Boenjeneri                         | 1 490    |                 |
| Disaense tsa Pholo                 | 5 932    |                 |
| Dithuto tsa Mekgwa ya Batho        | 5 338    |                 |
| Molao                              | 2 839    |                 |
| Disaense tsa Tlhago le Temothuo    | 6 046    |                 |
| Thutabomodimo                      | 541      |                 |

\*(Dipalo tsa 2020 ga di a felela)

# THUTO

## Go nna le seabe mo baaging

- ▶ Re ruta mananeothuto a makhutshwane a go ithuta a tsa boeteledipele jwa ditlhophha tsa botsamaisi tsa dikolo, mme baithuti ba morago ga kalogo ba thuto ya boithutatlhaloganyo ba tlamela ka ditirelo tsa kemonokeng e e kgethegileng kwa dikolong tsa puso.
- ▶ Porojekepotlana ya Banetetshi ba Aforika e thusa ka katso ya go tswaediwa mafulo mo tirong ya batlhatlheledi ba Mophato wa Motheo mo dikolong di le mmalwa, le go baya barutwana leitlho le go ba tshegetsa mo thutong ya mmele le ya saense.
- ▶ Legoro le koleka madi a go tlamela baithuti ba basetsana ka meikgatlho 'e e kgonang go dirisiwa go feta gangwe' ka lobaka lotlhe lwa dithuto tsa bone. Kgato e e latelang ya porojeke eno e ama matsholo a go tlhama dikumo le a go tsamaisa kgwebo.

## Go ithutela kgwebo

Jaaka karolo ya go ithuta ga barutabana, setlhophha sa serutwa sa Disaense tsa Botsamaisi le Thuto se ruta lenaanethuto le le nang le mekgwa e e nonofileng ya go tsamaisa kgwebo gore le rotloetse kgolo ya ikonomi le go se nne le bothata jwa ditšhelete.

Gape ba ruta mananeothuto a makhutshwane a go tsamaisa kgwebo jaaka e nngwe ya tiro ya bone ya go ruta batlhatlheledi boporofeshe-nale mo tirong le go ba katisa.

## Modulasetulo wa Patlisiso

- ▶ Modulasetulo wa UNESCO wa Mekgwa-Pharologano ya go Ithuta le wa Metswedi ya Thuto e e Bonwang mo Inthaneteng (OER [Open Educational Resources])

## Mananeothuto a a tlhomologileng

Re lefelo la konokono la go katisa barutabana ka go akaretsa dikgato tsotlhe ka botlalo tsa thuto le ditlhoko tsa barutabana, le go dirisa mekgwa-pharologano ya go ruta baithuti ba le fa pele ga motlhatlheledi le ba le kgakala le setheo sa thuto.

- ▶ Dithuto tse di rutwang ke Legoro di akaretsa dikgato tsotlhe tsa go tsena sekolo le go tlhabolola dikgono tsa tiro tsa barutabana. Serutwa se ba se rutang se se tlang diphetogo ke BEd, se se akaretsang dikarolo tsotlhe tsa mananeothuto a ntlha, a dikgato tsa mophato wa motheo, mophato o o mo magareng, mophato o mogolo le dikgato tsa go tswaledisetsa pele thuto le katiso, mmogo le thekenoloji.
- ▶ Mananeothuto a morago ga kalogo a akaretsa Setefikeiti sa Morago ga Kalogo sa Thuto, e leng lenaneothuto le le kwa pele la go ruta baithuti ba le fa pele ga motlhatlheledi kgotsa ba le kgakala le setheo sa thuto, le la dithutego tsa MED le tsa PhD.
- ▶ Gape re ruta mananeo a a tswelatang pele a kgato ya setefikeiti le ya dipoloma, mmogo le dithutego tse di melediwang mathe tsa BEdHons, MEd le mananeothuto a PhD.

## Ditheo tsa patlisiso tsa YBB

- ▶ Thuto le Ditshwanelo tsa Batho tse di Farologaneng (Edu-HRights)
- ▶ Thulaganyo ya Go Ithuta ka go Ikaela (SDL)
- ▶ Patlisiso ka Thuto mo Baaging (COMBER)
- ▶ Edu-Lead

# DISAENSE TSA IKONOMI LE BOTSAMAI SI

## Go ithutela kgwebo

Bogwebi bo lejwa ka kakaretso e le sedirisiwa sa tlhabololo ya ikonomi le kgolo ya yone. Diyunibesiti di nna le seabe se se botlhokwa sa go rotloetsa baithuti le maloko a baagi go nna bagwebi.

- ▶ bhive ya YBB ya Senthara ya YBB ya Tlhabololo ya Kgwebo (Enterprise Development Centre (bhive EDC) e tlhama bokgoni jwa tiro ya kgwebo ya baithuti, ya basadi le ya ditheo tsa mo baaging.
- ▶ Matsholo a teng a akaretse mekgatlho e mebedi ya baithuti, ya YEBO le ya Enactus, dikgaisano tsa kgwebo tsa baithuti tsa Leopards' Lair le tsa Entrepreneurship Intervarsity, Enterprising Women Programme le ditirelo tsa kemonokeng ya dikgwebo tse di santseng di fathloga tsa bagwebi mo baaging.
- ▶ Bogwebi bo akareditswe mo lenaneothutong la akatemi la baithuti ba BCom ya Disaense Tsa Botsamaisi. Lenaanethuto leno, mmogo le kharikhulamo ya IT ya BSc le BSc ya Disaense tsa Badirisi, le lone le na le dimojule tsa setlhopho sa botsamaisi tsa go rarabolola mathata.

## Sekolo sa Kgwebo sa YBB

Ka boikaelelo jwa sone jwa "go tlhama baeteledipele ba ka moso ba ba dirang dithulaganyo tse di mosola", Sekolo sa YBB sa Kgwebo se na le mananeothuto a a maleba mo baithuting le go bakhuduthamaga ba intaseteri ka go tshwana mme le tlatsela dikgono tse di neng di tlhalele go rarabolola dikgwetlho tsa ga jaanong jaana tsa ikonomi.

Sekolo sa Kgwebo ke setheo se se ikemetseng ka nosi mo teng ga legoro e bile se na le mafelo a thuto kwa Mahikeng, kwa Potchefstroom le kwa Vanderbijlpark. MBA ya rona e neilwe tsetlelelo-semmuso ke Mokgatlho wa boditshabats'haba wa di-MBA.

Re na le dirutwa tse di farologaneng mo mananeothutong a rona a a tlang diphetogo – MBA mmogo le Dipoloma ya Morago ga Kalogo ya Tiro ya Botsamaisi – le go leka ka natla go dira gore baithuti ba rona ba rotloetse go ditirong tsa kgwebo tse di fetogang nako le nako.

Ka ntlha ya Sekolo sa Kgwebo, Intaseteri e kgona go fitlhelela mananeothuto a a kgethegileng a tlhabololo ya dikgono tsa tiro le go nna le ditifikeiti tsa tlhabololo ya tiro ya botsamaisi.

## Mananeothuto a a tlhomologileng

- ▶ Mananeothuto a rona a Legoro a akaretse dithuto tsa ikonomi tsa dipalangwa, botsamaisi jwa dithulaganyo-kakaretso, Bobalamatloto jwa diforensiki, kgwebisano ya boditshabats'haba, dithuto tsa ikonomi tsa temothuo, lekgetho, ditirelo tsa banka le taolo ya kgonego ya ditatlhegelo tsa madi, taolo e e dirisiwang ya kgonego ya ditatlhegelo tsa madi, bobalamatloto jwa batsamaisi, bobalamatloto jwa ditšhelete, botsamaisi jwa tsa bojanala.
- ▶ Lenaneothuto le le khutshwane ka ga botsamaisi jwa ditshedi tsa naga le ngoka batsayakarolo ba bosetšhaba le ba dinaga di sele mme Senthara ya Taolo e e Dirisiwang ya Kgonego ya Ditatlhegelo tsa madi e ruta MCom ya nakwana ya maemo a a kwa godimo ya dingwaga di le pedi ya taolo e e dirisiwang ya kgonego ya ditatlhegelo tsa madi.
- ▶ Lenaneothuto la bobalamatloto jwa diforensiki le na le dikhoso tsa katiso le ditlathobho tsa boto tsa go nna maloko ka bottalo a Setheo sa Badiri ba Diforensiki tsa Kgwebo.

## Modulasetulo wa Patlisiso

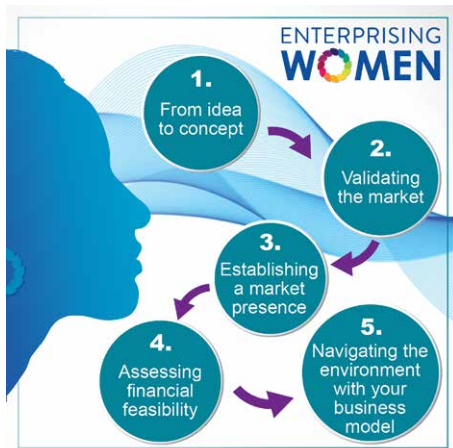
- ▶ Modulasetulo wa Mokgatlho wa Kgwebo wa Lefatshe Lotlhe (World Trade Organisation Chair [WTO])

## Ditheo tsa patlisiso tsa YBB

- ▶ Patlisiso ka tsa Bojanala mo Tikologong ya tsa Ikonomi le mo Loagong (Tourism Research in Economic Environs and Society [TREES])
- ▶ Workwell: Yuniti ya Patlisiso ya Disaense tsa Ikonomi le Botsamaisi
- ▶ Kgwebo le Tlhabololo (Trade and Development [TRADE])
- ▶ Patlisiso e e Tsenngwang Tirong ya Botsamaisi jwa Kgopolo ka tsa Tlhaeletsano le Taolo
- ▶ Talente ya Tlhamosešwa Lefatshe ka Bophara (Global Innovative Focussed Talent [GIFT])
- ▶ Thuto e e Tokafaditsweng ya Thekenoloji le Thuto ya Tlhamosešwa le Katiso, ya Aforikaborwa (Technology-Enhanced Learning and Innovative Education and Training, South Africa [TELIT-SA])

## Go nna le seabe mo baaging

- ▶ Badiri ba ba tswang kwa Sekolong sa Bobalamatloto ba thusa setheo sa puso ka go nna maloko a boto ya bookelo jwa General de la Rey le boto ya bookelo jwa Thusong, go katisetsa mmasepala wa selegae wa Mahikeng go dira ka ditšhelete le go tokafatsa dikgono tsa tiro tsa barutabana ba bobalamatloto ba dikolo tsa selegae.
- ▶ Baithuti ba tshwara ditelase tse dingwe gape tsa bobalamatloto le tsa mmetshe kwa sekolong sa lefelo la bone go thusa barutwana mme gape ba nna le seabe mo go kokoanyeng dibuka le mo diporojekeng tsa go busetsa dilathwa tirisong gape.
- ▶ Re tshwara mananeo a go tsamaisa kgwebo a basadi mme ka Senthara ya Puisokwalo ya Ikonomi, re thusitse banna ba le 30 mo baaging go tlhokomela madi.



## ARE YOU A FEMALE SMALL BUSINESS OWNER / ASPIRANT ENTREPRENEUR?

Do you need support in navigating the current challenging economic conditions?

**Yes!**

**THEN THIS PROGRAMME  
COULD HELP YOU TO  
GEAR-UP FOR A  
NEW FUTURE!**

**ENTERPRISING  
WOMEN**

## SHORT LEARNING PROGRAMME

for business start-ups:  
female entrepreneurs

TO BE CONSIDERED FOR  
PARTICIPATION IN THE  
PROGRAMME, YOU NEED TO:

- Be willing to commit to a multi-modal business development programme, with online learning and contact sessions
- Have a minimum of a Matric qualification and a good written and spoken understanding of English
- Be computer literate, with access to the Internet, e-Mail and WhatsApp

**PROGRAMME DURATION:**  
June to October 2020

Lenaanethuto le le khutshwane la Basadi ba Bagwebi ke lenaanethuto la dikarolo tse di farologaneng tsa tlhabololo ya kgwebo, le le nang le katiso ya mo inthaneteng le mananeo a go ithuta ga baithuti ba le fa pele ga mothathledi.

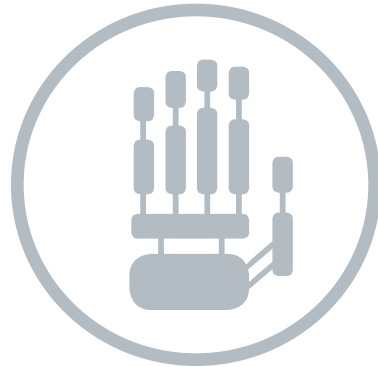
# BOENJENERI

## Go ithutela kgwebo

Tsela e re dirang akatemi ya rona ka yone e ikaegile ka mokgwa wa go akanyetsa kgwebo. Diporojeke di le mmalwa tsa ngwaga wa bofelo le tsa morago ga kalogo di ile tsa fetoga go nna dikgwebo tse di atlegileng, dikai tsa tsone ke Dithekenoloji tsa Senthara ya Tlhamo e e Gatetseng Pele (Centre for Advanced Manufacturing [CFAM]), Jonker Sailplanes le Genio Intelligent Roasters.

Mmojule wa boenjenere jwa kgwebo o o dirang mo teng ga lefapha la boenjenere jwa diintaseteri, baithuti ba tlhama thulaganyo e e botlhokwa ya kgwebo, mme mmojule wa boenjenere jwa botsamaisi one o na le dirutwa di le mmalwa tse di farologaneng le dirutwa tse dintsi tse di akaretsang boenjenere jwa dithuto tsa ikonomi le boenjenere jwa mekgwa-tsamaiso.

Ka go dirisana le diintaseteri tse di farologaneng le diyunibesiti tse dingwe, baithuti ba rona ba dira patlisiso le tlhabololo e e amanang le intaseteri, mo nageng ya rona le kwa dinageng di sele.



## Ditheo tsa patlisiso tsa YBB

- Senthara ya Tiro ya Maemo a a kwa Godimo ya Maokwane a a Dirilweng ka Khabone
- Yuniti ya Ditsamaiso tse Eneji le Thekenoloji
- Dithekenoloji tsa Puo ya Bopuonsi (Multilingual Speech Technologies [MuST])

## Mananeothuto a a tlhomologileng

- Di dikirii tsa rona tsa boditšhabatšhaba tse di neilweng tsetlelelo-semmuso tsa BEng di na le dikarolo di le robedi tse di kgethegileng.
- Ke boenjenere jwa dikhemikhale, boenjenere jwa dikhemikhale jo mo go jone go tlhotlhwang diminerale, boenjenere jwa dikhomphiutha le jwa eleketeroniki, boenjenere jwa motlakase le jwa eleketeroniki, boenjenere jwa metšhini e e dirisiwang ka motlakase (go simolola ka 2021) le boenjenere jwa diintaseteri.
- Dirutwa tsotlhe tsa boenjenere di na le ditšhono tse dintsi tsa go ithutela dithuto tsa morago ga kalogo. Mo go sengwe le sengwe sa dirutwa tseno, moithuti a ka wetsa dikirii ya masetase ya Meng kgotsa ya Msc ya dikhemikhale, ya khomphiutha le ya eleketeroniki, ya motlakase le ya eleketeroniki, ya dikhemikhale le boenjenere jwa nyutlelia.
- Re lengwe la magoro a le mmalwa la boenjenere le le rutang dipoloma ya morago ga kalogo ya saense ya nyutlelia le thekenoloji.

Legoro la Boenjenere le tlhamile NeuHand, e leng tsamaiso e e sa tureng ya motšhini o o itirisang ka motlakase wa tsosoloso ya seatla.

## Badulasetulo ba patlisiso

- Modulasetulo wa Patlisiso ya DSI/NRF ka Patlisiso ya Magala (SARChI)
- Modulasetulo wa Patlisiso wa DSI/NRF ka Maokwane a a Dirilweng ka Ditshedi le Maokwane a Mangwe a Sele a a Phepa (SARChI)
- Modulasetulo wa Patlisiso ya DSI/NRF ka Boenjenere jwa Nyutlelia (SARChI)
- Senthara ya Ditiro tse di Kgethegileng ya ESKOM EPPEI ya go Taolo ya Digase tse di Ntshediwang mo Lefaufaung

## Ditlamo tse di dirisiwang, dipolatefomo le ditheo

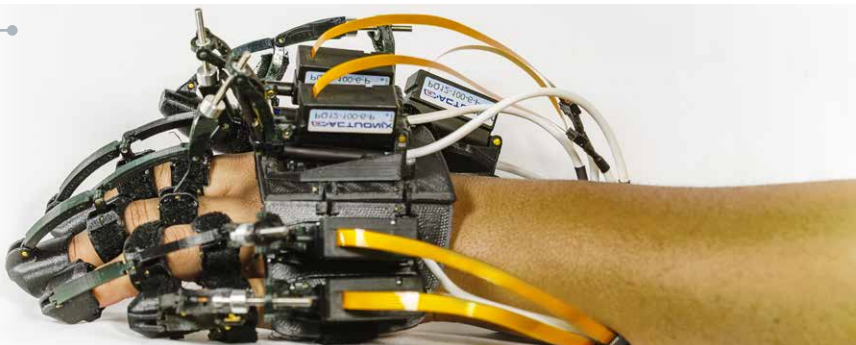
- Senthara ya Bokgoni ka Ditirelo tsa DSI/ HySA jwa go thagisa haeterojene, go e boloka le go e dirisa le melawana ya tshireletsego le ditekanyetso ka ga yone
- Senthara ya DTI ya Tlhamo e e kwa Pele (DTI Centre for Advanced Manufacturing [CFAM])

## Go nna le seabe mo baaging

- Akatemi ya rona ya Saense, Boenjenere, Thekenoloji le Pholo (Science, Engineering, Technology and Health [SETH]) e katisa baenjenere ba ka moso ka go tshwara ditlase tse di oketsegileng kwa sekolong se segolo sa Potchefstroom mme se sengwe kwa Bethal.

Gape akatemi e tshwara lenaneothuto la pele ga go ya yunibesiting, Excel, le le thusang badirakopo go tokafatsa dipholo tsa bone tsa Setifikeiti sa Bosetšhaba sa Sekolo se Segolo mo thutong ya mmetshe le ya disaense tsa fisika. Ka tsela e e tshwanang, kwa Senthareng ya Mahikeng ya go Katisediwa Mmetshe, Saense le Kgwebo, baithuti ba nwa tšhono ya bobedi ya go tokafatsa dipholo tsa bone tsa materiki.

- Gape re tlhama didirisiwa tsa mmobaele le didirisiwa tse di thusang badiri le balwetse kwa lefapheng la Bookelo jwa Potchefstroom la Pholo mo Tirong, le go aga mafelo a porojeke ya baagi ba Orange Farm ya go dira ditshingwana.
- Legoro le ile la dirisana mmogo le bana-le-seabe ba ba farologaneng ba intaseteri, bomankge le diyunibesiti tse dingwe ka nako ya leroborobo la COVID-19 go tlhama dikumo tsa go tshetsa tsamaiso ya tsa pholo le badiredi ba tlhokomelo ya pholo. Gape re ile ra dirisana mmogo le lefapha la tsa kgwebo le bana-le-seabe mo baaging gore ba tlamele ka dijo tsa namolo mo masetlapelong mo gare ga baagi ba rona.



# DISAENSE TSA PHOLO

## Mananeothuto a a tlhomologileng

- Re na le mananeothuto a a farologaneng a a abang tshedimosetso e e mosola, go simolola ka disaense tsa melemo ya kalafi, dijo tse di nang le dikotla le tshireletsego mo tirong go fitlha ka go tshela sentle le go sireletsa bana.
- Masetase ya rona ya Khemisi mo mananeothutong a go nna rakhemisi e naya rakhemisi katiso e e kgethegileng ya go baya melemo ya kalafi leitho le go ithuta diphelelo tsa melemo ya kalafi mo badirising ba yone, boithutamelemo ya kalafi le go dirisiwa sentle ga melemo ya kalafi le pholisi ya teng, le go laola melemo ya kalafi ga puso.
- Mananeothuto a mangwe a a tlhomologileng ke:
  - MSc, PhD ya disaense tsa melemo ya kalafi
  - MSc (dijo tse di nang le dikotla), MSc (thuto-dijo le ka fa di amang mmele ka gone)
  - MHSc, PhD mo Thutong ya Diporofesene tsa Pholo
  - Masetase, PhD ya disaense tsa badirisi
  - MHSc mo poromoušeneng ya dirutwa tse di fetang se le sengwe tsa pholo
  - PhD ya dirutwa tse di fetang se le sengwe tsa disaense tsa pholo
  - MHSc ya boithuta tiro ya pelo
  - Masetase, PhD ya saense ya booki
  - BHSc ya tshireletsego mo tirong le thuto ya tsamaiso ya dikarolo tsa mmele
  - MA, PhD ya go tshela sentle
  - MHSc ya patlisiso ka ga go dira ga tlhologanyo
  - PhD ya boithutatirommele
  - MSc, PhD ya khemiseteri ya melemo ya kalafi; boithutatiro ya melemo ya kalafi; le go aba melemo ya kalafi

## Go ithutela kgwebo

- Disaense tsa badirisi ke kgwebo ya seporofesenale, di dira gore baithuti ba ithute dikgopolo dingwe ka dijo le go dira ka dijo ka tlhamalalo, fešene, botsamaisi jwa kgwebo le go maketa.
- Social Greenhouse®, e e kgontshang kumo e e kgonang go itsetsepela e e dirilweng mo baaging go tlamela baagi ka dilo tse ba di tlhokang tsa thekenoloji.
- Mananeothuto a Polatefomo ya DST/NWU ya Tihamo ya Melemo ya Kalafi e e Lekelediwang ke nngwe ya ditlhokego tse di kopanyang akatemi, intaseteri le puso.

## Badulasetulo ba Patlisiso

- Modulasetulo wa Patlisiso wa DST/NRF wa Go Lemoga Bolwetse jwa Pelo Go sa le Gale le go bo Thibela mo Aforika (SARChI)
- Modulasetulo wa Patlisiso wa DST/NRF Albertina Sisulu ka ga

## Dipolatefomo tse di dirisiwang, disenthara le ditheo

- Polatefomo ya DST/NWU ya Tihamo ya Melemo ya Kalafi e e Lekelediwang (DST/NWU Preclinical Drug Development Platform [PCDDP])
- Lekgotla la Patlisiso ka tsa Kalafi Yuniti ya Tiro e e Oketsegileng ka Kgatelelo ya Madi le Bolwetse jwa Pelo

## Dittheo tsa patlisiso tsa YBB

- ▶ Senthara ya Tiro ya Maemo a a kwa Godimo ya Dijo tse di Nang le Dikotla (Centre of Excellence for Nutrition [CEN])
- ▶ Senthara ya Tiro ya Maemo a a kwa Godimo ya Disaense tsa Melemo ya Kalafi (PharMaCen)
- ▶ Setlhophha sa Patlisiso ka Kgatelelo e e kwa Godimo ya Madi mo Aforika (Hypertension in Africa Research Team [HART])
- ▶ Yuniti ya Aforika ya Dirutwa tse Dintsi tsa Patlisiso ka Pholo (Africa Unit for Trans-disciplinary Health Research [AUTHer])
- ▶ Patlisiso ka Boithutatlhaloganyo ya motho Mo Loagong (Community Psychosocial Research [Compres])
- ▶ Tiro e e Batlang Maikatlapele a Mmele, Metshameko le Boitlosobodutu (Physical Activity, Sport and Recreation [PhASRec])
- ▶ Boleng jwa Tiro ya Booki le Bolelegisi (Quality in Nursing and Midwifery [NuMiQ])
- ▶ Malwetse a a Bakwang ke Mokgwa wa Botshelo
- ▶ Tiriso ya Melemo ya Kalafi mo Aforika Borwa (Medicine Usage in South Africa [MUSA])
- ▶ Tshireletsego mo Tirong le Letsholo la Patlisiso ka Pholo (Occupational Hygiene and Health Research Initiative [OHHRI])

## Setheo sa patlisiso ka tsa kgwebo

- ▶ Senthara ya Melemo ya Kalafi le Ditirelo tsa Diphelelo Tse Melemo ya Kalafi e Nnang le Tsone mo Mmeleng



## Go nna le seabe mo baaging

Ka go dirisana mmogo ka tsela e e nang le matswela, re kgaratlhela go tokafatsa pholo ya botlhe:

- ▶ Setlhophha sa tiro sa NWU/NWDoH COVID-19 se tlamela ka diphopholetso tsa gore COVID-19 e tlele go nna jang mo isagweng, se itsise mafapha a pholo mo pusong ka gone. Sediriso sa AitaHealth (sa tlhokomelo ya konokono e e newang bana ba sekolo sa poraemari) se dira gore go kgonege go dira diteko mo malokong a malapa la go a tlathlhaba.
- ▶ Go ne ga katiwa bommampodi ba le 20 ba Wellness mo Lefapheng la Pholo la Porofense ya Kapa Bophirima.
- ▶ Basadi ba kwa Ikageng ba ba nang teng kwa ditlhaseng tsa go itshidila mmele e bile baagi ba House Amelia (senthara ya go tlhokomela batho ba ba lwalang tlhaloganyo) ba ithuta go tsamaiso dikarolo tsa mmele.
- ▶ Phelophepa Train e romela baithuti ba baithuta-tlhaloganyo, khemisi le ba booki go ya go direla baagi.
- ▶ ImpENSA e tokafatsa thulaganyo ya go newa ga bana dijo tse di nang le dikotla ba sa le bannye le pholo ya bone ka go tlhomelela baporofesenele ba pholo le badiri ba pholo mo gare ga baagi. Lenaneo la Boeteledipele la Dijo tse di Nang le Dikotla la Aforika le katisetsa batho go nna le bokgoni jwa go etelela pele mo kgannyeng ya dijo tse di nang le dikotla mo gare ga baporofesenele mo Aforika.
- ▶ Setlhophha sa Patlisiso ka Kgatelelo e e kwa Godimo ya Madi mo Aforika (HART) se tshegetsa letsholotemoso la lefatshela lotlhe la mo nageng ya rona la kgatelelo e e kwa godimo ya madi le matsholo a go tlathlhabelwa pholo.
- ▶ OHHRI e dirisana mmogo le Setheo sa Aforikaborwa sa Tshireletsego mo tirong le Setheo sa Bosetshaba sa Pholo mo Tirong go thusa Lefapha la Pholo la bosetshaba ka dikaelo tsa Covid-19 gore di dirisiwe ke badiredi ba pholo le mafelo a go dira diteko.

# DITHUTO KA MEKGWA YA BATHO

## Go nna le seabe mo baaging

Legoro le rotloetsa go nna le seabe mo baaging e le tsela ya go ithuta le go direla baagi. Tse di latelang fano ke dingwe tsa diporojeke tse di di gogang kwa pele tsa patlisiso:

- ▶ Lenaneothuto la Go Ithuta Mmino mo Baaging ba Musikhane kwa Sekolong sa Mmino le bulela barutwana le baithuti le barutabana ditšhono tsa go nna le maitemogelo a a mosola ka mmino. Lenaanethuto leno le dira dipatlisiso tsa thuto ka ga mmino, tlhabololo ya dikgono tsa badiri le go tsaya karolo mo mminong ga maloko a baagi.
- ▶ Byderhand ke porojeke ya dirutwa tse dintsi tsa puisokwalo ya dijethale ya Lefapha la Bokgoni jwa Boithamededi jwa go Kwala.
- ▶ E tlamela barutwana ba ba sa kgoneng go bona sentle ka tshedimosetsano, maitemogelo a go buisa ba dirisa ditemotshi tse di farologaneng, didirisiwa tsa dijethale le dimmedia tse di farologaneng, diteng le diseting, le mafelo a ditshingwana le a poko.
- ▶ Diporojeke tse dingwe tsa Sekolo sa Mmino tse di solegelang baagi molemo le go thusa baithuti ba rona ka dikgono tsa thuto di diretswe baithuti ba ba nang le ditlhokego tse di kgethegileng, ba ba ipelelang mmino ka go dira ditiro tsa go reetsa le go tokafatsa maitemogelo a bone a go ithuta kwa senthareng e e kwa lefelong la motseselegae ya tlhokomelo ya bana motshegare.
- ▶ Sekolo se se Rutang Dipuo se nna le seabe mo diporojekeng di le mmalwa tsa lefelo la rona tsa go lekeletsa puisokwalo ya akatemi le puo tse di dirwang ke ditheo tsa thutogodimo. Di dirwa thata ka dineteweke tsa rona tse di golaganyang batho mmogo le badirisani-mmogo le rona le Ditheo tse di Farologaneng tsa Tlhabololo ya Dipuo le Tshekatsheko (Inter-institutional Centre for Language Development and Assessment [ICELDA]) le Senthara ya Ditheo tse di

Farologaneng tsa Tlhabololo ya Dipuo le Tshekatsheko (South African Digital Language Resources [SADiLaR]).

## Ditheo tsa patlisiso tsa YBB

- ▶ Yuniti ya Dipuo le Puisokwalo mo Aforikaborwa
- ▶ Go Kgontsha Pontsho ka Botlalo ya Bokgoni jwa Batho ka Bongwe, ya Batho mo Loagong le ya Setheo (Enabling Optimal Expression of Individual, Social and Institutional Potential [OPTENTIA])
- ▶ Baagi le Pholo
- ▶ Diphetogo mo Loagong
- ▶ Go Tlhaloganya le go Berekana le Puo mo Maemong a a Raraaneng (Understanding & Processing Language in Complex Settings [UPSET])
- ▶ Mmedia wa Dipuo tsa Seaforika mo Aforika
- ▶ (Indigenous Language Media in Africa [ILMA])
- ▶ Diatshe tsa Mmino mo Aforikaborwa: Metswedi ya Tshedimosetso le Didirisiwa tsa Khomphiutha (Musical Arts in South Africa: Resources and Applications [MASARA])
- ▶ Dikanelo tse di Kgonang go Bonwa le Dipholo tsa Tlhamo (Visual Narratives and Creative Outputs [VINCO]) ka Patlisiso ya Dirutwa tse di Farologaneng e e Eteletwang pele ke Tiro.

## Dipolatefomo tse di dirisiwang, disenthara le ditheo

- ▶ Senthara ya Aforikaborwa ya Metswedi-Tshedimosetso ya Dijethale ka Dipuo (South African Centre for Digital Language Resources SADiLaR)

## Mananeothuto a a tlhomologileng

- Boikaelelo jwa lenaanethuto la rona la dingwaga di le nne la BA ya Go Dira Ditshwantsho ka Khomphiutha ke go tlagisa bararabolodi ba mathata ba ba nang le bokgoni jwa go thama, ba ba siametseng go ka tsena mo mmarakeng wa tiro.
- BA ya rona ya botsamaisi jwa puso mmogo le botsamaisi jwa mmasepala le boeteledipele e ruta baithuti tsela e e tla felelang ka gore ba nne badiredi ba puso, ba ba tlhophilweng kgotsa jaaka bathankedi ba ba tlhophilweng ba mmasepala. Boikaelelo jwa lenaanethuto leno ke go fokotsa tlhalelo e e seng kana ka sepe ya badiri mo teng ga bommasepala ba rona.
- Akatemi ya Setlhophapha sa Mmino sa YBB (NWU Choir Academy [NWUCA]) e ruta khoso e khutshwane, Matseno a Go Nna Motshwara-Takata wa Khorale, e boikaelelo jwa yone e leng go tlhomelela batshwara-takata le maloko a setlhophapha sa mmino go nna batshwara-takata, go lootsa mantswe a bone gore ba kgona go opela le go letsa diletsa tsa mmino.

# MOLAO

## Mananeothuto a a tlhomologileng

Legoro la rona la tsa Molao le ratega thata ka ntlha ya boeteledipele jwa lone jwa go godisa ditiro tse di jaaka molao ka tsa tikologo, molao wa taolo le kgwebisano ya boditshabatshaba, gape la ka ntlha ya go boloka ga lone boleng mo makaleng a semolao a mantsi a setso jaaka molao ka tsa kgwebo le molao ka tsa bokebekwa.

Mananeothuto a rona a morago ga kalogo a akaretse a a latelang:

- Gerata ya Melao ya bongaka ya dirutwa tse di farologaneng, jaaka molao wa puso, molao wa tsa bokebekwa le wa mekgwatsamaiso, molao wa kgwebisano ya boditshabatshaba le molao wa kgwebo, molao wa tsa tikologo le molao ka tsa kgwebo
- PhD ya molao ya serutwa sa molao le tlhabololo
- Dikgaso tse pedi tsa LLM (patlisiso le tiro ya khoso) ka mananeo a le 19 a a farologaneng a a kgethegileng a dikarolo tse di farologaneng tsa molao
- MPhil ya molao wa tikologo le molao wa taolo le molao wa tsa bokebekwa wa seporofesenale wa LLM le mekgwatsamaiso ya teng

## Setheo sa patlisiso sa YBB

- Yuniti ya Patlisiso ka Tsa Molao, Tshiamiso le Go Tshwarelela ga One

## Modulasetulo wa Patlisiso

- Modulasetulo wa Patlisiso wa DSI/NRF mo Ditoropong, Molao le Go Tshwarelela ga Maemo a Tikologo (SARChI)

## Go nna le seabe mo baaging

Re abelana ka bokgoni jwa rona jwa tsa molao mo mananeong a radio ya mo baaging e bile re tlamela ka ditirelo tsa mahala tsa semolao kwa ditleliniking tsa rona tsa molao mo bathong ba ba sa kgoneng go duelela kgakololo ya semolao.

# DISAENSE TSA TLHAGO LE TSA TEMOTHUO

## Go ithutela kgwebo

Re na le dithutego tse di farologaneng tsa go ithutela kgwebo, ka sekai mo ditirong tsa saense ya dipalopalo, mmetshe wa kgwebo le go boloka tshedimosetso, le ditshekatsheko ka tsa kgwebo.

## Mananeothuto a a tlhomologileng

Mo godimo ga mananeothuto a lone a mantsi a a farologaneng, legoro gape le na le mananeothuto a le mmalwa a masetase le a gerata ya bongaka. Mabaka ano a akaretsa:

- ▶ MSc ya saense ya boithutadinaledi le saense ya lefaufau
- ▶ MSc ya disaense tsa tikologo tse di kopantsweng e fedisa bothata jwa disenyi
- ▶ PhD ya pholo ya diphologolo
- ▶ Dikirii ya Batšhelara le ya masetase ya ditsamaiso tsa kitso ya setso
- ▶ PhD ya Saense e e nang le saense ya dikotsi tsa masetlapelo
- ▶ BScHons ya disaense tsa tikologo

## Ditheo tsa patlisiso tsa YBB

- ▶ Senthara ya Patlisiso ka Lefaufau
- ▶ Yuniti ya Mmetshe wa Kgwebo le Go Boloka Tshedimosetso (Mathematics and Informatics [BMI])
- ▶ Yuniti ya Disaense tsa Tikologo le Botsamaisi (UESM)
- ▶ Go Kgaoganya Dikhemikale ka Ditlhopha (Chemical Resource Beneficiation [CRB])
- ▶ Tshilo ya Dijo mo Mmeleng wa Motho
- ▶ Tlhamosešwa ya Dilo tsa Saense le Go Bopa (Material Science Innovation and Modelling [MaSIM])
- ▶ Tshekatsheko ya Deitha e e Amanang ke tsa Kgwebo
- ▶ Go se Thaele ga Dijo le Tshireletso ya Tsone

## Go nna le seabe mo baaging

Re na le diporojeke di le mmalwa tse boikaelelo jwa tsone e leng go tlamela ka dithoko tsa baagi ba rona mo tikologong.

- ▶ Nngwe ya diporojeke tsa rona ke go tlišetsa dipusoselegae kitso ya go fokotsa dikotsi tsa go tlhaga ga masetlapelo go tokafatsa tlamelo ka ditirelo mo baaging.
- ▶ Gape re ruta maloko a baagi tsela ya go tlhagisa le go maketa dijo tse di kgonang go itsetsepela kgalthanong le go fetoga ga tlelaemete, dijo tsa dithoro tsa marantha, fa bodirelo jwa go thothla metsi bo tlamela motsana wa madibogo ka metsi a a phepa a go nwa.
- ▶ Disenthara tsa rona tse pedi tsa saense di rotloetsa gore go ithutwe saense, thekenoloji, boenjeneri, mmetshe le disaense tsa tshedimosetso mo dikolong tsa lefelo la rona le kwa dikolong tsa puso.
- ▶ Porojeke ya rona ya dikgomo tsa kwa Nguni e tlhomelela balemirui ba ba fatlhogang gore ba tsenele kgwebo, mme porojeke e nngwe yone ke ya go tlhama melemo ya kalafi ya setso ya diintaseteri tsa go fepa dikgomo.

## Badulasetulo ba patlisiso

- ▶ Modulasetulo wa Patlisiso wa DSI/NRF wa Boithutadinaledi le Fisika ya Lefaufau (SARCHI)
- ▶ Modulasetulo wa Dipatlisiso tse Pedi tsa DSI/NRF SA-NAM tsa Bolepadinaledi le Boithutadinaledi (SARCHI)

## Dipolatelyo tse di dirisiwang, disenthara le ditheo

- ▶ Senthara ya DSI/NRF ya Ditsamaiso tsa Kitso ya Setso (CIKS)
- ▶ Senthara ya Tshilo ya Dijo mo Mmeleng

# THUTABOMODIMO

## Mananeothuto a a tlhomologileng

- BA ya rona ya Dipuo tsa Bogologolo ke lengwe la mananeothuto a le mmalwa fela mo Aforika a a rutang batho go nna mankge wa puo ya Segerika, Sehebera, Searamika le dipuo tse dingwe tse di dirisediwaang tshekatsheko e e tseletseng le go ithuta mekwalo ya bogologolo le ya Baebele.
- Gape re nngwe ya diyunibesiti di le mmalwa e e rutang dikirii e e kgethegileng ya setso. Mo godimo ga moo, re na le khoso ya ditso tsa bogologolo le dikhoso tse di kgethegileng kwa Egepeto, Mesopotamia le ya ditso tse dingwe tsa bogologolo.
- BA ya boruti jwa boithutatlhaloganyo e baakanyetsa baithuti tiro ya go nna baruti, le go ba baakanyetsa bodiredi jwa Bokeresete, mme BTh ya bodiredi jwa Bokeresete yone e santse e le ya baithuti ba ba eletsang go tsenela bodiredi jwa ba ba tlhomamisitsweng ba Apostolic Faith Mission, gareng ga tse dingwe. Dithuto tsa khoso eno e e sa tswang go umakiwa ke tse di rutwang baithuti ba kopane le motlhatlheledi mo Khamphaseng ya Mahikeng mme ba romela dikabelo tsa bone ba se mo setheong sa thuto.
- Mo godimo ga moo, thutego ya BDiv ke ya baithuti ba ba batlang go nna baruti mo teng ga di Reformed Church mo Aforikaborwa mme e rutwa baithuti ba kopane le motlhatlheledi mo Khamphaseng ya Potchefstroom mme dikabelo tsa teng ba di romela ba se mo setheong sa thuto.
- Thutego ya MDiv ke thutego e khoso ya yone e leng ya go katisetsa baithuti bodiredi mo teng ga dikereke tsa Reformed.
- Gape re tlhama dipoloma ya morago ga kalogo e e tla thusang baithuti ba ba ithutileng dirutwa tse dingwe kwantle ga tsa thutabomodimo go ithutela dikirii ya masetase ya thutabomodimo.

## Go nna le seabe mo baaging

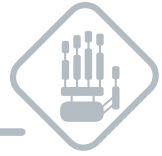
Re dira le badiri ba dipolase, magolegwa kwa mafelong a kgopololo le barutwana ba sekolo mo mananeothutong a ba ka a kgonang a a otlang semoyeng.

- Katiso ya rona ya LIFEPLAN® le Lenaneothuto le le Tlhomelelang ka tsa Tiro le katisa badiri ba mo dipolaseng ka ditlhogo tse di jaaka tsa dikamano le ba bangwe, go nna le seriti, go tlhokomela madi le boagi.
- Ka Lenaneothuto la Go Katisa Borrabana le Go ba Tlhomelela, re katisa magolegwa kwa Lefelong la Bagolegwa la Potchefstroom la Go Romelwa ga Bone Gae go ya go Letela Tsheko Kwa Ntle gore ba nne borre ba ba nang le mosola.
- Re na le mananeothuto a le mmalwa mo dikolong tsa lefelo la rona a go rotloetsa batho go nna baagi ba ba siameng, a a kaelang baithuti mekgwa ya go ithuta, a a rutang ka bophepa jwa sesadi le go rotloetsa barutwana go ithuta go bala le go kwala le go nna le dikgono tsa dithuto tsa akatemi.
- Sekolo sa Dipuo tsa Bogologolo se na le ditelase tsa dipuo tsa semmuso tsa barutwana ba dikolo tsa poraemari le tsa sekontari kwa Potchefstroom.

## Ditheo tsa patlisiso tsa YBB

- Yuniti ya Thutabomodimo ya Diphetogo le Tlhabololo ya Setšhaba sa Aforikaborwa
- Mekwalo ya Bogologolo: Mekwalo, Diteng le Ka fa e Amogelwang ka Gone

# KITSO GA E THIJWE KE MELELWANE



Yuniti ya rona ya Go Ithuta Kgakala le Setheo sa Thuto (UODL) ke ya bobedi mo go tse dikgolo tse di tlamelang ka mananeothuto a go ithuta kgakala le setheo sa thuto mo Aforikaborwa. UODL e amana le go rutwa ga mananeothuto a akatemi mo magorong a YBB, a baithuti ba bantsi mo go one ba ikwadisitseng mo mananeothutong gore ba bone thuto.

Mo godimo ga moo, yuniti e ruta Leraanethuto la Yunibesiti la Go Baakanyetsa Baithuti Bokamoso (University Preparatory Programme [UnivPrep]) gore go nne le ba ka nna 550 ba bone mo Aforikaborwa

Mo dingwageng di le mmalwa tse di fetileng, baithuti ba ODL ba ka nna 100 000 ba abetswe dithutego tsa YBB.

## Re dira seno jang?

Disenthara tsa rona tsa kemonokeng di le 86 mo Aforikaborwa yotlhe, le tse di leng kwa Namibia, di na le dibototshweu di le 200 tsa tshedimosetsano. Baithuti le batlhatlheledi ba dirisa thekenoloji eno go tlanya, go thala ditshwantsho, go bona le go utlwana mo dibototshweung tseno.

Disetudio tsa segompiano di letla dikgaso tsa bosetšhaba le tsa boditšhabatšhaba go dirwa go tswa mo kagong ya UODL mo khamphaseng mo Potchefstroom. Mananeo a go ithuta ga baithuti ba kopane le motlhatlheledi mo setheong sa thuto a a rekotiwa a bo a manegwa mo webong gore a kgone go fitlhelwa ke baithuti moragonyana.

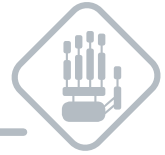
Yuniti ya teng e na le disenthara di le 114 tsa dithathhobo go ralala Aforikaborwa yotlhe le kwa Namibia mme nako le nako fa go kwalwa dithathhobo, go kwalwa dipampiri tsa yone di le masome a le diketekete.

Ka nako ya leroborobo la COVID-19, UODL e ne ya dira dithulaganyo tsa go fokotsa bomasisi jwa matswela a totlelelo gore go kgonege go tswela ka dithuto. Ka go dirisana le magoro, e ne ya tlhama le go tsenya tirisong mekgwa e sele ya go dira ditekolo le ditsela tsa go romela dikabelotiro.

## Go itsege ga rona go a gola

Go nnile le kgolo kgato ka kgato ya dikopo go tswa kwa mafapheng a thuto a porofense tsa gore go dirwe ditumalano tsa porojeke tsa dibasari le YBB go thusa batlhatlheledi ba ba senang dithutego le ba ba nang le dithutego tse di seng kalo go tokafatsa dithutego tsa bone le dikgono tsa bone tsa tiro.

# GO ALOSA BAITHUTI BA BA RUTEGILENG KA BOTLALO



YBB ke lefelo le baithuti ba ka fitlhelelang thuto ya boleng jo bo kwa godimo mo go lone e e tthagafatsang mogopolo, e e dirang gore ba nagane ka mekgele ya bone le go tsaya dikgato tsa go godisa kgonego ya go atlega ga bone mo isagweng. Boikaelelo jwa botshelo jwa mo khamphaseng ke go gola le go godisa dikgono tsa bone ka botlalo, mme baithuti ba rotloediwa go tsaya karolo mo ditirong tse di farologaneng tsa setso, metshameko, go sidilwa maikutlo le mo ditirong tse di dirang gore ba nne le botsogo jo bo siameng.

## Porofaele ya baithuti

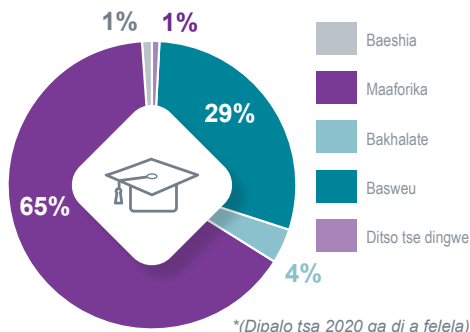
Porofaele ya botshelo jwa mo YBB ke ya dipharologano tsa ditso. Seno se dira gore baithuti ba rona ba nne le mowa wa kgaisano fa ba ntse ba godisa bokgoni jwa bone le go buisana le ba bangwe mmogo le go go tsalana le bone.

**Ka \*2020, porofaele ya baithuti ba YBB e ne e lebege jaana (go simolola ka 1 Motsheganong):**

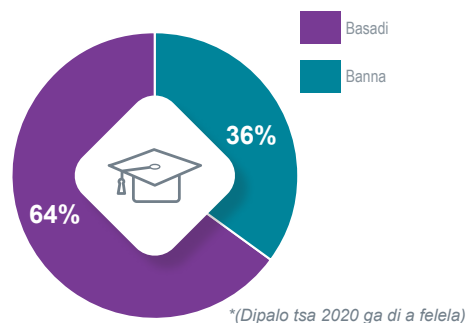
|                                            | 2015   | 2016   | 2017   | 2018   | 2019   | 2020   |
|--------------------------------------------|--------|--------|--------|--------|--------|--------|
| Palogotlhe ya baithuti ba ba ikwadisitseng | 64 070 | 69 736 | 62 558 | 61 212 | 63 671 | 57 009 |
| Ba ba ithutelang mo setheong sa thuto      | 37 943 | 39 064 | 41 765 | 43 418 | 44 647 | 43 897 |
| Ba ba sa ithuteng mo setheong sa thuto     | 26 127 | 30 672 | 20 793 | 17 794 | 19 024 | 13 112 |

\*(Dipalo tsa 2020 ga di a felela)

## Mefuta ya ditso



## Bong jwa bone



## Ba pele ga kalogo vs ba morago ga kalogo

Le fa bontsi jwa baithuti e ne e le baithuti ba pele ga kalogo, YBB gape e ne e na le dipalo tse di boitshegang tsa baithuti ba morago ga kalogo ba ba ikwadisitseng ka \*2020. Mo gare ga bone go na le:

**2 366**

Baithuti ba ba ikwadiseditseng Masetase

**1 050**

Baithuti ba ba ikwadiseditseng gerata ya bongaka

\*(Dipalo tsa 2020 ga di a felela)

## Ditlhopho tsa go ithuta

Ditlhopho dingwe ke tseno tsa go ithuta tsa baithuti ka \*2020:

| Serutwasegolo se se ithutwang                     | Ba ba ithutelang mo setheong sa thuto | Ba ba sa ithuteleng mo setheong sa thuto |
|---------------------------------------------------|---------------------------------------|------------------------------------------|
| Saense, boenjeneri le thekenoloji                 | 12 124                                | 182                                      |
| Kgwebo le botsamaisi                              | 11 662                                | 200                                      |
| Thuto                                             | 8 100                                 | 12 228                                   |
| Dithuto tsa mekgwa ya batho le disaense tsa loago | 12 010                                | 502                                      |

\*(Dipalo tsa 2020 ga di a felela)

## Go rotloetsa katlego mo thutong

Re ruta manaanethuto a le mmalwa go thusa baithuti ka tsa akatemi:

- Baithuti ba ngwaga wa ntlha ba dira puisokwalo ya akatemi le diteko tsa bokgoni go tlhotlhomisa gore a ba ne ba solegelwa molemo ke dimmojule tse di oketsegileng tsa puisokwalo ya akatemi tse di rutwang.
- Tshegetso e nngwe ya akatemi e akaretsa go baya dithaka leitho, go ithuta ka tiriso ya dibidio, dilaboratori tsa go buisa le disenthara tsa go kwala.
- Gape re tlamela ka Thutotlaleletso (Supplementary Instruction [SI]), e leng tsamaiso ya kemonokeng e e amogelwang ke dinaga di sele ya akatemi ya baithuti.
- Lenaneothuto la rona la Yunibesiti la Go Baakanyetsa Baithuti Bokamoso (University Preparatory Programme [UnivPrep]) ke lenaneothuto le le thusang baithuti ka se ba tlhaelang ka sone bao go seng jalo ba neng ba se kitla ba tshwanelegela go amogelwa mo yunibesiting.
- Re na le mananeothuto a go gopotsa baithuti ba ngwaga wa ntlha dithuto dingwe tse ba di dirileng ba ba ikwadiseditseng mananeothuto a a akaretsang dimmojule tsa mmetshe.
- Mananeothuto a rona a a farologaneng a a oketsegileng a kgontsha baithuti go wetsa dithuto tsa bone ka go dirisa nako e ba e okeleditsweng.

## Go tlhokomela baithuti ba rona

Disenthara tsa pholo tsa khamphase ya rona le diyuniti tsa go sidila baithuti maikutlo le tsa kgodiso ya bokgoni jwa bone di tlamela baithuti ba rona ka ditirelo tsa mahala tsa kalafi.

Mo godimo ga go rulaganya matsholotemoso ka HIV le Aids, ka tirisodikgoka kgatlanong le basadi le ka LGBTQIA+ ditshwanelo, gareng ga tse dingwe, re naya baithuti ba rona ditirelo tse di farologaneng tsa go ba sidila maikutlo le tsa katlaatloloago, morago ga go latelela thulaganyo ka botlalo le dirutwa tsa mefuta e e farologaneng.

## Ga bo motho go thebe phatshwa

Ga jaanong jaana re na le malao a le 11 031 ao ba Ditirelo tsa Lefelobonno le Kapeo ya Dijo ba tlamelang ka one. Malao ano a akaretsa ao YBB e nang le one mme a mangwe a hirilwe go tswa go batlamela ka ditirelo ba poraefete (ba ba dirisiwang jaaka mafelobonno a semmuso a yunibesiti).

Palo ya baithuti ba ba nnang kwa mafelobonngong a a neilweng tetelelo-semmuso a beng ba one e leng ba poraefete e fopholediwa gore e ka nna 3 500 mme baithuti ba bangwe ba ba oketsegileng ba nna kwa dikagong tse dingwe tsa poraefete tse di sa newang tetelelo-semmuso.

Go na le mafelobonno a le 38 ao YBB e nang le one mo dikhamphaseng di le tharo, le lefelobonno le lengwe le le seng mo khamphaseng kwa Vanderbijlpark, koo gape re rentang mafelobonno a mangwe gape a le mane ka kwa ntle ga khamphase.

Lekgotla la YBB le dumeletse gore go agiwe lefelobonno le lengwe le le kgatlang mme lone le tla tsenya malao a mangwe a mantšha a le 1 728 mo Khamphaseng ya Mahikeng. Re kgonne go bona tshegetso ya madi ya go agiwa ga lone mme re letetse tumelelo ya bofelo go tswa kwa kantorong ya Tona ya Thutogodimo le Katiso.

Boikaelelo jwa seno ke go tsenya mo go yone 50% ya baithuti ba ba ithutang motlhatlheledi a le fa pele ga bone le 75% ya baithuti ba ngwaga wa ntlha mo mafelobonngong mo dingwageng tse 10 tse di latelang.



Boikaelelo jwa seno ke go tsenya mo go yone bobotlana 50% ya baithuti ba ba ithutang motlhatlheledi a le fa pele ga bone le 75% ya baithuti ba ngwaga wa ntlha mo mafelobonngong mo dingwageng tse 10 tse di latelang.

## Go thusa

### Re rotloetsa baithuti ba rona go tsenya letsogo gore ba thuse setšhaba ka go ithaopa.

Fa e sa le ka 2001, Khamphase ya rona ya Potchefstroom e nnile le mokgatloho wa katlaatloloago o mogolo go e feta yotlhe mo lefatsheng o o kwadisitsweng e bile o eteletse pele ke baithuti (wa Tirelosetšhaba ya Baithuti ya RAG (kgotsa Student RAG Community Service [SRCS])).

Ga jaanong jaana SRCS e tshwaragane le diporojeke di le 80 mo lefelong la Potchefstroom le ka kwa ntle ga lone, tse baithuti ba ba fetang 4 000 ba nnang le seabe mo go tsone ka tlhagafalo mo setšhabeng beke nngwe le nngwe.

Mo ditiragalong tsa go koleka madi tsa ka 2019 le ka 2020, baithuti ba ile ba kokoanya palogotlhe ya ditone di le 31 tsa diaparo le ditone di le 7,5 tsa bupi le dijo tsa meteme gore di abelwe batho mo setšhabeng.

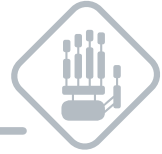
Gape SRCS e ile ya thusa fela thata mo Porojekeng ya Namolo ya JB Marks, mme e thusitse malapa a le 500 mo porojekeng eno.

Mo godimo ga moo, dikhamphase di tshwara ditiragalo tsa go koleka madi jaaka kolofo le malatsi a mmino wa jese le ditiragalo tsa mabelo a dibaesekele go tlohamisa gore baithuti ba ba tlhokang ba kgona go ja dijo tse di nang le dikotla gabedi ka letsatsi. Gape baithuti ba dira tiro ya go ithaopa mo baaging kwa magaeng a tlhokomelo ya bana mo lefelong a bone, kwa mafelong a boitshubelo a ba ba se nang magae, kwa magaeng a bagodi le mo Mekgatlhong e e tlhokomelang diphologolo, jaaka mokgatloho wa SPCA kgotsa wa Paws.



Mo e ka nnang baithuti ba le 1 400 go tswa kwa dikolong di le 24 mo Kgaolong ya Dr Kenneth Kaunda ba ne ba nna teng kwa dipontshong tsa Saense tsa Beke kwa Tikatikweng ya Saense mo Khamphaseng ya Potchefstroom. Gape barutwana ba tsaya karolo mo ditirong tse di jaaka go lekanya selekanyo sa pula e e neleng le go tlotla ka phetogo ya tlaemete.

# GO NAGANA BOKAMOSO LE GO ITSOTSOROPANYA



Baithuti ba na le ditšhono di le dintsi tsa go tlabolola ditalente tsa bone ka go tsaya karolo mo metshamekong, mo diatsheng, mo dilong tsa setso le mo ditirong tse dingwe fa sekolo se sena go tswa.

## Go tlhagelela thata ga setso

Ditiro tsa setso di akaretša dingangisano, terama, tantshe le mekgatlo ya setso, diokhesetere, dikonsarata tsa baithuti ba ngwaga wa ntlha, mmimo, dikgaisano tsa ditalente, ditlhophā tsa mmimo, ditlhophā tsa lentswe, meletlo ya diatshē, dipontsho le dikgaisano, dikgaisano tsa bommabontle, diteišene tsa radio tsa mo khamphaseng le dikuranta tsa baithuti.

## Go simolola bontle

Mo dikhamphaseng tsotlhe tse tharo, baithuti ba nnile le tšhono ya go tshameka metshameko ya maemo a a farologaneng, go simolola ka ya maemo a ba ba simololang go fitlha ka ya maemo a a kwa godimo ya kgaisano.

Fa ditlhophā tsa rona tsa metshameko di emetse yunibesiti, di nwa leina la NWU Eagles mo dikgaisanong.

Go ya ka diphitlhelelo tse di nnileng gone mo lebaleng la metshameko, yunibesiti ya rona ke nngwe ya diyunibesiti tse di kwa godimo go di gaisa tsotlhe ya metshameko mo Aforikaborwa. Re na le dilo tse di latelang:



## Gape re na le metshameko e mengwe e mennye le ditiro:

Go Swaya Dibaesekele / karate / softball / sekwashe / go palama dithaba / tenese ya mo tafoleng / kgaisano ya tšhese / go kuka ditshipi / mabole / bolotlwa / tantshe / rakabii ya sevens / diaerobiki / ju-jitsu / motshameko wa mo metsing (go fuduwa mokoro) / go taboga marathone / bolotlwa ya banna / go tlhoma tente ya go palama dipitse

## Re bommampodi

Ditlhophha tsa metshameko tsa YBB le batho ka bongwe ba ile ba ntsha ga tshwene mo dikgaisano tsa bommampodi tsa University Sport South Africa (USSA) le mo Kgaisanong ya Varsity Cup.

### Dintlhakgolo dingwe tsa USSA ke tseno:



#### KARATE MAEMO A NTLHA

Bafenyi ka kakaretso  
dingwaga di le 20 ka  
tatelano



#### DIJIMINASI MAEMO A NTLHA

Bafenyi ka kakaretso  
dingwaga di le 20 ka  
tatelano



Mabole, tenese ya bolo  
e e nang le diphofa  
(NWU Setlhophha sa A),  
bolotlwa, go taboga  
go kgabaganya naga

### Mafelo a go ikatisa a maemo a a kwa godimo

Borametshameko ba maemo a a kwa godimo ba dirisa mafelo a maemo a a kwa godimo kwa Setheong sa YBB sa Go Dira ka Natla mo Metshamekong (NWU High Performance Institute [HPI]). Se na le jiminasio e e di gaisang tsotlhe mo Aforika e e tsentsweng didirisiwa tsa metshameko e bile e na le didirisiwa tsa go ikatisetsa metshameko ya mefuta e e farologaneng, melemo ya kalafi, patlisiso, dijo tse di Nang le Dikotla le ditirelo tsa boithutatlhaloganyo jwa tsa metshameko.



Kgwele ya dinao ya  
banna, bolotlwa ya  
basadi, hokhi le go thuma

Setheo sa Saense ya Metshameko le Tlhabololo se tlamela mekgatho ya bosetšhaba le ya porofense ka ditirelo tsa saense tsa kemonokeng, Akatemi ya Metshameko ya Bokone-Bophirima le metshameko ya mefuta e e farologaneng mo dikhamphaseng tsa rona.



Go tsholetsa ditshipi,  
sekwasho (NWU  
Setlhophha sa A), go thuma  
(tšelapa ya YBB) le kgwele  
ya dinao ya basadi.

Motsana wa Tsa Metshameko wa segompiano kwa khamphaseng ya YBB kwa Potchefstroom o amogela ditlhophha tsa metshameko tsa bosetšhaba le tsa dinaga di sele tse di tlang go ikatisa mo mafelong ano.

## Go itsege kwa dinageng di sele

Baithuti ba le mmalwa ba YBB le bakatshi ba tsaya karolo mo dikgaisanong tsa metshameko tsa boditshabatshaba.

Batshameki ba rona ba le bane ba kgwele ya dinao ba ne ba tshamekela sethlopha sa baithuti sa SA kwa Naples, kwa Italy kwa kgaisanong ya lefatshe lotlhe ya bo 30 ya metshameko ya baithuti ka 2019. E ne e le Tebogo Galane, Mduduzi Sithole, Kaven-dree Makhene le Siyabulela Mosiea.

Deidr  Jordaan le Ruan Snyman ba ne ba emetse Aforikaborwa kwa dikgaisano tsa Aforika Yotlhe tsa bommampodi tsa Tenese ya Bolo e e Nang le Diphofa tse di neng di tshwaretswe kwa Cairo, kwa Egepeto ka Tlhakole, mme sethlopha sa banna se ne sa ikgapela mmentlele wa boronse.

Baithuti ba le bane ba ne ba le maloko a sethlopha sa Aforikaborwa kwa dikgaisanong tsa Bommampodi tsa Lefatshe lotlhe tsa Morganti Ju-Jitsu ka 2019. Elvis Moyo o ne a gapa dimmentlele di le pedi tsa gauta mme a itsisiwe jaaka rakarati yo o ba gaisitseng botlhe, mme Lincoln Rakgoale le Moses Radebe mongwe le mongwe wa bone o ne a gapa mmentlele wa gauta mme Sean Motshabi ene o ne a tla gae ka mmentlele o le mongwe.

Mo godimo ga moo, David Tshose o ne a emela Aforikaborwa mo Dikgaisanong tsa bommampodi-potlana ba Lefatshe lotlhe tsa Go Tsholetsa Ditshipi le mo Dikgaisanong tsa Bommampodi ba Aforika.

Reino von Wielligh le Nadia Blaauw ba ne nna maloko a sethlopha sa Swimming SA Open Water kwa kgaisanong ya Len Cup ya 10 km e e neng e tshwaretswe kwa Barcelona, kwa Spain ka Seetebosigo 2019.

Gape Nadia o ne a emela Aforikaborwa kwa dikgaisanong tsa 2019 tsa LEN Open Water Cup kwa Barcelona. O ne a le Moaforikaborwa wa ntsha go thuma go kgabaganya mola wa phenyo.

Chederick van Wyk o ne a tsaya karolo mo kgaisanong ya Lebelo la Neeletsano la Lefatshe lotlhe kwa Yokohoma, Japan. O ne a le mongwe wa sethlopha sa banna sa 4x2 00m se se neng sa gapa mmentlele wa selefera mme gape sa tlhoma

rekoto e ntsha ya Aforikaborwa. Chederick le Rantso Mokopane le bone ba ne ba tlophilwe go nna maloko a Sethlopha sa ASA go ya go emela Aforikaborwa kwa Dikgaisano tsa Bommampodi ba Lefatshe lotlhe tsa IAAF kwa Doha, kwa Qatar ka Diphallane 2019.

Pieter van den Berg o ne a tlhomiwa go nna mokatshi-mogolo wa sethlopha sa World University 7's se se neng sa nna le seabe mo Dikgaisanong tsa Baithuti tsa Lefatshe lotlhe kwa Milan, kwa Italy ka Seetebosigo le ka Phukwi 2019. Batshameki e leng Longelo Goza le Eugene Hare ba ne le bone ba tsentswe mo sethlopheng sa World University 7's.

Tlelapa ya Diatleletiki ya YBB e ne ya ntsha ga tshwene kwa Dikgaisanong tsa Aforika kwa Rabat, kwa Morocco ka Phatwe 2019. Mpho Links (yo o tlolang leparego) o ne a ikgapela mmentlele wa gauta wa ntsha-ntsha mme Jo-An  van Dyk (wa javelin) o ne a gapa mmentlele wa gagwe wa bobedi wa selefera wa Dikgaisano Tsa Aforika, mme o fentse Sunette Viljoen lekgetlho la ntsha-ntsha mo dikgaisanong tsa gagwe yo o nang le mmentlele wa selefera wa Diolimpiki.

Anika du Plessis o ne a emela Aforikaborwa kwa Dikgaisanong tsa Bommampodi-Potlana ba Tshese ka 2019 kwa New Delhi, kwa India ka Phatwe 2019.

Chant  du Toit o ne a gaisana kwa kgaisanong ya FIG World Challenge Cup (dijiminasi) mo karolong ya mogaisani-ka-mongwe kwa Kazan, kwa Russia ka Lwetse 2019.

### Kgaisano ya Varsity Cup (2019):



#### Bommampodi ba

# 2019

Kgwele ya dinao



Hokhi, bolotlwa, diatleletiki, metshameko ya botabogelo jwa baatlelete le ya mo lebaleng, go taboga go kgabaganya naga



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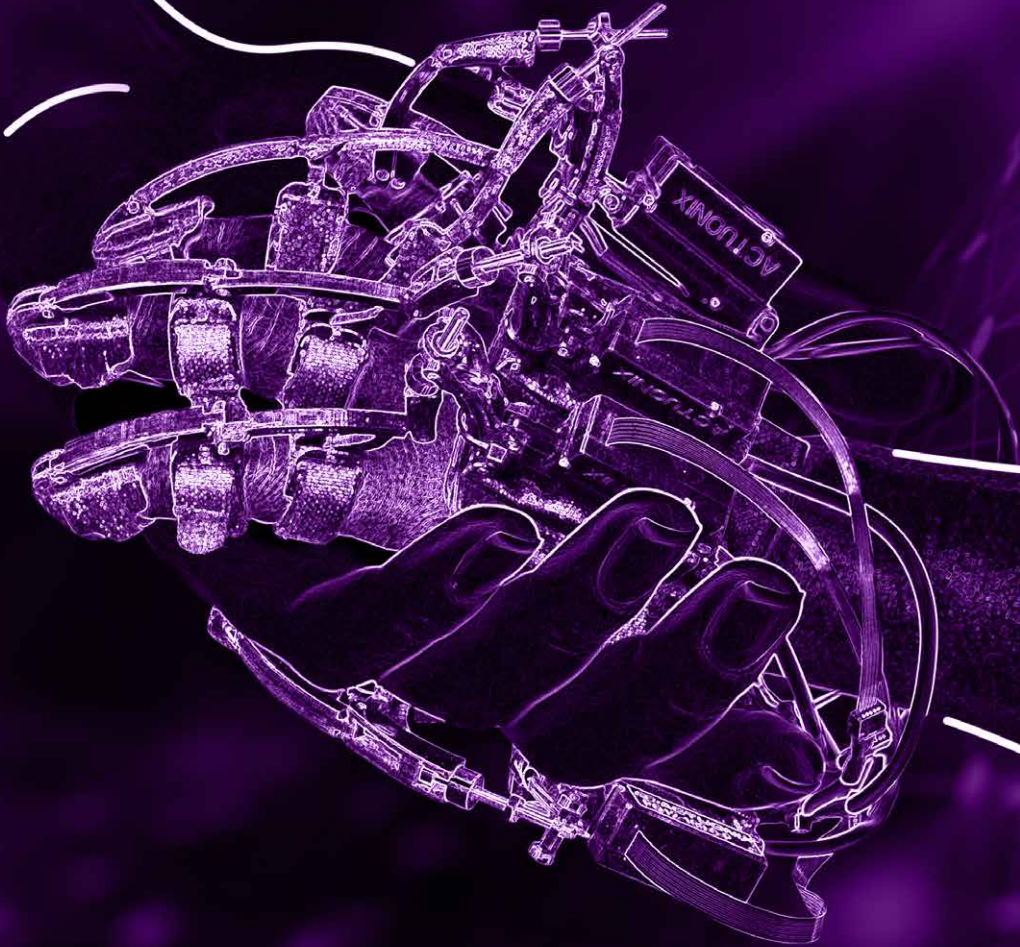
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### Ditshwantsho

Batlamedi ba Ditirelo le Badirammogo ba YBB



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