

YOUNG SCIENTISTS TANZANIA (YST) 2017

MEDIA COVERAGE REPORT

FOR

YST EVENTS IN 2017





ABSTRACT

Young Scientists Tanzania is a unique event in Africa providing a platform for young people from across Tanzania to demonstrate their innovation and showcase their scientific talents.

The organization also works on encouraging the young people to generate interest in science subjects through nurturing them to embark on the science projects that seeks to provide solutions to the society.

The report therefore highlighted the series of YST activities and outreach performed in this year, from the January whereby the last year YST winner were awarded a scholarship certificates, it covers the outreach conducted on coast region secondary and the exhibition that took place last month.

The report also shows that how the YST programs and activities were shared and distributed to public to understand the significance of youth to pursue practical based science and not theory only

I kindly convey my appreciations to all YST team who provided an exemplary support that enabled me to complete this task.



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1.0 PRE-EXHIBITION MEDIA COVERAGE:

1.1 Press Conference to present scholarships to last year overall winners on January 2017

1.1.0 Televisions

a) Channel Ten



News summary; 10 Tanzanian students' gets scholarships.

b) East Africa Television.



News summary; Tanzanian scientists winner gets university scholarship.

c) Tumaini TV



News summary; Tanzania students to represents the nation to Ireland.

1.1.1 Radios

a) EA radio



News summary; Young scientists to get university scholarships

b) Tumaini radio



News summary; Young Tanzania students to be supported with university scholarship.

c) Upendo fm



News summary; Mtwara girls students to get university scholarship

1.1.2 Newspapers

a) The Guardian News summary; Two young scientists win scholarship to study abroad

Tuesday 17 January 2017

Tanzania challenged to invest more in science development

By Correspondent Crispin Gerald

TANZANIA has been challenged to learn from Ireland how they have invested in developing science from secondary school level to obtain future experts.

The challenge was made by a cross section of science stakeholders when giving feedback of their five-day visit to Ireland to journalists in Dar es Salaam.

Young Scientists Tanzania (YST) Executive Director Dr Gozbert Kamugisha said that unlike Tanzania, Ireland has put emphasis in developing science from the grassroots level in primary schools.

"The Irish government has in place several initiatives including engaging the private sector to invest capital and technology from secondary schools to higher learning institutions," he said.

He added that science subjects are supposed to be taught practically in the field instead of theory in classrooms alone to produce future experts.

"As the country wants to become a middle-income nation through industrialisation, more efforts are needed to produce science experts that would be needed to achieve that goal," Dr Kamugisha said.

The trip to Ireland also involved two students from a Mtwara based girls secondary school and the winner of the Young Scientists competition held last year.

The students admitted that the Irish government has been advocating intensive teaching and learning of science subjects with huge investment of capital in the field.

The two students are Diana Sosoka and Nadhra Mresa who are doing a project to alleviate poverty amongst Mtwara women.

A teacher from Mtwara Girls Secondary School, Rashidi Namila, pointed out that the Irish is committed to science development with the country's president attending in person the just-ended BT-young scientist and technology exhibition held in that country that involved about 500 projects from more than 500 Ireland-base secondary schools.

He said the exhibition was also attended by government ministers, private and public entities executive directors as well as other science experts.

"The Irish government is ready to share its technology with Tanzania especially with youth aspiring to become future innovators," Namila said.

“

As the country wants to become a middle-income nation through industrialisation, more efforts are needed to produce science experts that would be needed to achieve that goal

Mresa noted that Irish young scientists are focused on scientific innovations that help solve existing problems in their society.

"There is need to improve teaching methodology in the country in order to change the theory-based teaching to practical teaching that yields good science experts," Mresa said.

Sosoka noted that parents and guardians are supposed to empower their youth by encouraging to study science subjects in order to become future experts.

Young Scientists Tanzania is a unique event in Africa, providing a platform for young people from across Tanzania to demonstrate their innovation and showcase their scientific talents.

Daily news



Mtwara Secondary School science students Diana Sosoka (L) and Nadhira Mresa, who took part in the World Young Scientists exhibition held in Ireland last week, talk to journalists in Dar es Salaam yesterday. Right is one of their teachers, Rashid Namila. Photo: Selemeni Mpochi



KARIMJEE Jivanjee Foundation (KJF) Executive Director, Mr Yusuf Karimjee (left) and Young Scientists Tanzania (YST) Co-Founder and Executive Director, Dr Gozibert Kamugisha pose for a souvenir photo with Mtwara Girls Secondary School YST 2016 winners Dianna Sosoka (second left) and Nadhira Mresa after presenting them scholarship certificates during the sending off to Dublin Ireland in Dar es Salaam yesterday, for participating in the British Telecommunication Young scientist and Technology exhibition an Irish Annual school students science competition. (Photo by Robert Okanda)

Photo: Karimjee Jivanjee Foundation (KJF) Executive Director, Mr Yusuf Karimjee (left) and Young Scientists Tanzania (YST) Co-Founder and Executive Director, Dr Gozibert Kamugisha pose for a souvenir photo with Mtwara Girls secondary school YST 2016 winners Diana Sosoka (second left) and Nadhira Mresa after presenting to them a scholarship certificates during the sending off to Dublin Ireland yesterday in Dar es Salaam for participating in the British Telecommunication Young Scientists and Technology exhibition an Irish Annual school science competition.

b) The Citizen

News summary; Two girls win scholarships for science courses

THE CITIZEN Tuesday, 10 January 2017

national news5

Two girls win scholarships for science courses

Dar es Salaam. Two students from Mtwara Girls Secondary School were awarded scholarships yesterday by the Karimjee Jivanjee Foundation (KJF) for winning the Young Scientists Tanzania (YST) competition conducted last year. Diana Sosoka and Nadhra Mresa left yesterday for Dublin to attend the Young Scientist and Technology Exhibition, an annual school science competition that focuses on encouraging interest in the sciences in primary and secondary schools.

Speaking at an event to send off the winners, Ms Mresa urged fellow students especially girls, to follow their dreams and make a greater contribution to Tanzania. "A woman can do even better than a man. It is a great opportunity to receive the scholarship. I look forward to participating fully and tin representing my country," she noted.

KJF manager Devotha Rubama noted that both winners would be fully funded to study at university. "We are eager to encourage and support Tanzanian young students in developing innovative skills through science for betterment of the nation," she noted.

"Currently we are supporting at least 40 students studying at local and international universities. We will continue to offer undergraduate and graduate scholarships to students across the country," she added.

The KJF is the primary vehicle of the Karimjee family's charitable work.

The objective of the foundation is to invest in education as a means to enhance the economic development of Tanzania.

c) Mwananchi - News summary; Wanafunzi waibuka wanasayansi wanaochipukia “Students emerged yong scientists”

Wanafunzi waibuka wanasayansi wanaochipukia

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Dar es Salaam. Wanafunzi wawili wa kidato cha sita Shule ya Sekondari ya Wasichana Mtwara, wametawazwa kuwa wanasayansi wanaochipukia nchini (Young Scientists Tanzania), baada ya kubuni mradi wa kutotolesha vifaranga vya kuku kwa gharama nafuu.

Mradi huo uliolenga kuondoa umaskini kwa wanawake na watoto mkoani Mtwara umefanikiwa kwa asilimia 100 na kupata ufadhili wa masomo ya elimu ya juu kupitia Karimjee Jivangee Foundation (KJF).

Wanafunzi hao, Nadhra Mresa na Diana Sosoka wanaosoma masomo ya Kemia, Baolojia na Jiografia (CBG) wamesafiri jana kuelekea nchini Ireland kwa ajili ya mashindano ya wanasayansi wanaochipukia.

Mkurugenzi na Mwanzilishi wa Young Scientists Tanzania (YST), Dk Gozibert Kamugisha alisema Diana na Nadhra waliibuka washindi wa jumla katika mashindano ya YST yaliyofanyika Agosti mwaka jana yakiwashirikisha wanafunzi 300 kutoka mikoa yote nchini.

Mkurugenzi Mtendaji wa Toyota Tanzania, Yusuf Karimjee alisema mpaka sasa mfuko wa Karimjee umetoa ufadhili wa masomo kwa wanafunzi 70.

1.1.3 Blogs

a) Michuzi blog

WANAFUNZI WAWILI KURUKA NA PIPA KUSHUHUDIA MASHINDANO YA TAFITI ZA SAYANSI NCHINI IRELAND

Na Chalila Kibuda, Globu ya Jamii.

TAASISI ya Karimjee Jevanje imetoa ufadhili kwa wanafunzi wawili wanaokwenda kushuhudia tafiti mbalimbali za kisayansi zinazofanywa na wanafunzi wa Dublin nchini Ireland.

Wanafunzi wawili hao walishinda katika mashindano ya wanasayansi chipukizi yaliyofanyika Agasti mwaka jana ambayo yaliratiwa na Young Scientist Tanzania (YST).

Walioshinda mashindano hayo ni wasichana wa Shule ya Sekondari ya Wasichana ya Mtwara ambao ni Diana Sosoka pamoja na Nadhira Mresa.

Akizungumza leo na waandishi wa habari jijini Dar es Salaam, Mkurugenzi Mtendaji wa Karimjee Jevanje Foundation, Yusuf Karimjee amesema wanatoa ufadhili huo kwa kutambua mapinduzi ya uchumi yanahitaji wanasayansi.

Amesema kushuhudia mashindano ya tafiti za Sayansi itawaongezea kuboresha miradi yao walioifanya katika mashindano walioyafanya Agasti mwaka jana. Yusuf amesema wanafunzi hao watapata ufadhili wa masomo ya elimu ya juu pindi watakapohitimu kidato cha sita.

Nae Mkurugenzi wa Young Scientist Tanzania (YST) Dk. Gosbert Kamugisha amesema mashindano hayo ambayo yamekuwa kichocheo kwa wanafunzi kusoma masomo ya Sayansi na kuonyesha kwa vitendo. Kamugisha amesema wanafunzi hao wataporudi watakuwa wameongeza ujuzi kupitia kwa wanasayansi wataokutana nao.

Mkurugenzi wa Young Scientist Tanzania (YST) Dk. Gosbert Kamugisha akizungumza na waandishi wa habari wakati utoaji wa zawadi na Ufadhili wa masomo kwa wanafunzi walioshinda mashindano ya Young Scientist iliyofanyika leo jijini Dar es Salaam. Picha na Emmanuel Massaka, Globu ya Jamii. Mkurugenzi Mtendaji wa Karimjee Jevanje Foundation, Yusuf Karimjee akimkabidhi zawadi Nadhira Mresa iliyofanyika leo jijini Dar es Salaam.

ALIYEKATAA MASOMO YA SAYANSI AZAWADIWA SCHOLARSHIP NA TAASISI YA KARIMJEE, APAA KWENDA IRELAND NA MWENZAKE

Mwanafunzi Nadhra Mresa (kulia) akipokea cheti cha ufadhili kutoka kwa Karimjee leo hii (Picha zote na Daniel Mbega wa www.brotherdanny.com).

Diana Sosoka (kushoto) na Nadhra Mresa wakiwa a hati zao za ufadhili kutoka taasisi ya karimjee Jivanjee Foundation. Wanafunzi hao kutoka Shule ya Sekondari ya Wasichana Mtwara, waliibuka washindi wa jumla jumla katika maonyesho ya Sayansi kwa Shule za Sekondari mwaka 2016 yanayoandaliwa na taasisi ya Young Scientists Tanzania (YST). Wanafunzi hao wameondoka leo hii kwenda Dublin, Ireland kwa maonyesho ya sayansi.

HAMID Mresa na mkewe Zakhia Ramadhan hawamini binti yao, Nadhra, amepata ufadhili wa masomo ya chuo kikuu kutoka katika taasisi ya Karimjee Jivanjee Foundation ya jijini Dar es Salaam kwa ajili ya shahada ya kwanza ya sayansi.

Na wazazi hao wanashangazwa zaidi na mafanikio ya binti huyo anayetaka kusomea udaktari wa binadamu ambaye miaka mitatu iliyopita, wakati akiwa kidato cha tatu, hakuwa akifanya vizuri kwenye masomo ya sayansi na aliyachukia.

“Kuanzia kidato cha kwanza hadi cha tatu Nadhra alikuwa akifanya vibaya masomo ya sayansi, hakuyapenda au tuseme aliyaogopa... nilisikitika sana kwa sababu nilitamani asome sayansi, ikabidi niwaite ndugu na jamaa zangu ambao baadhi ni madaktari ambao walimhamasisha na akabadilika hatimaye kufaulu vizuri masomo hayo wakati wa mtihani wa kidato cha nne,” ndivo anavyoeleza Hamid.

Hamid, ambaye yeye ana shahada ya Lugha ya Kiarabu na Dini ya Kiislam, anasema tangu waka ti huo, binti yake ameendelea kufanya vizuri na kuwahamasisha hata wadogo zake watano, akiwem o kaka yake aliyetaka kusomea sheria, naye kupenda sayansi.

Hata hivyo, kubwa zaidi ambalo wazazi hao wanalishukuru ni ufadhili huo alioupata, wakieleza kwamba umewapunguzia mzigo wa ada ya chuo kikuu ikiwa atafaulu.

“Tulikuwa tunafikiria, hivi akifaulu tutafanyaje na sisi uwezo hatuna? Mikopo yenyewe ni ya ushindani mkubwa,” wanasema kwa pamoja wazazi hao na kuongeza kwamba wanamuomba afanye vizuri na kufaulu ili ufadhili huo uweze kupatikana.

Lakini leo hii, Nadhra na mwenzake Diana Sosoka, wanafunzi wa kidato cha sita katika shule ya sekondari ya wasichana ya Mtwara wanaochukua mchepuo wa Kemia, Balojia na Jiographia (CBG) wamekabidhiwa hati za ufadhili (scholarship) na taasisi hiyo ya Karimjee Jivanjee.

Siyo hivyo tu, wanafunzi hao wameondoka leo hii kwenda Dublin, Ireland kushiriki mashindano ya kimataifa ya Sayansi na Teknolojia kutokana na ubunifu wao wa mashine za kutotolesha vifaranga ambao ndio uliowapa ushindi wa jumla wakati wa mashindano ya sayansi ya Young Scientists Tanzania (YST) yaliyofanyika Agosti 2016 jijini Dar es Salaam.

Tofauti na Nadhra, mwenzake Diana anasema alihamasishwa kupenda masomo ya sayansi tangu akiwa mdogo na kwa ufadhili alioupata anaamini ndoto zake za kuwa daktari wa binadamu akijikita katika afya ya mama na mtoto, ititimia.

“Naombea nifaulu vizuri mtihani wa kidato cha sita, nataka niwe daktari niwasaidie akinamama na watoto,” anasema.

Baba yake, Sosoka Paul, anasema kwamba amekuwa akiwahimiza watoto wake kupenda sayansi kwa kuwa anaamini masomo hayo ni kama masomo mengine.

“Hivi sasa nyumbani kuna mradi mkubwa wa ufugaji na tunatotolesha vifaranga kutokana na ubunifu wake, tumekuwa tukifuga miaka mingi na yeye amekulia katika mifugo, nadhani ndiyo maana yeye na mwenzake wakaamua kubuni mashine za utotoleshaji wa vifaranga,” anasema Sosoka, mkazi wa Mwanza.

Sosoka alikuwepo wakati wanafunzi hao wakikabidhiwa scholarship zao ikiwa ni pamoja na kumsindikiza uwanja wa ndege wakati akienda Ireland.

Kutokana na ufadhili huo wa Karimjee Jivanjee Foundation, wanafunzi hao wawili ambao wanatarajia kumaliza kidato cha sita mwaka huu, watasomeshwa na taasisi hiyo chuo kikuu huku wakilipiwa ada pamoja na gharama nyingine zote kwa miaka yote watakayokuwa wanachukua shahada zao.

Bi. Eliavera Timothy, Meneja Msaidizi wa Masoko wa Taasisi hiyo, akizungumza kwa niaba ya Meneja wa KJF Devota Rubama, alisema taasisi hiyo iliyoanzishwa mwaka 2009 na kuanza kazi zake mwaka 2010 imejikita kwenye ufadhili wa huduma za kijamii hususan elimu.

Dk. Gozibert Kamugisha, ambaye ni Mkurugenzi Mtendaji na Mwanzilishi Mwenza wa YST, ameishukuru taasisi hiyo pamoja na Serikali ya Ireland kupitia Shirika la Kimataifa la Misaada la Irish Aid na kuomba wadau wengine wajitokeze kufadhili maonesho hayo.

TAASISI YA KAREMJEE JIVANJEE FOUNDATION YATOA ZAWADI YA UFADHILI WA MASOMO KWA WANAFUNZI WA TANZANIA

Nadhra Mresa akikabidhiwa zawadi yake kutoka kwa Yusuph Karimjee wakati wa Hafla Fupi ya kukabidhi zawadi kwa washindi hao.

Link ya story ya leo

<http://habari24.blogspot.com/2017/01/taasisi-ya-karemjee-jivanjee-foundation.html> 2/12

Taasisi ya Karimjee Jivanjee Foundation imewapatia zawadi Diana sosoka na Nadhra Mresa ambao ni wanafunzi wa shule ya secondary ya wasichana Mtwara kwa kuibuka washindi wa kwanza kwenye mashindano ya wanasayansi chipukizi Young Scientist Tanzania (YST) kwa mwaka 2016.

Akizungumza na wahabari wakati wa Hafla ya kuwaaga washindi hao wanaoelekea katika Jiji la Dublin nchini Ireland kwa niaba ya mwenyekiti wa KJF Yusuph Karimjee amesema kuwa wawili hao watapata ufadhili wa masomo wa elimu ya juu pindi watakapohitimu masomo yao ya kidato cha sita.

Wanafunzi hao watasafiri kwenda Dublin nchini Ireland leo kwa ajili ya kushughudia mashindano ya Taffiti mbalimbali ya kisayansi zilizofanywa na wanafunzi wa nchi hiyo, hatua ambayo itawaongeza ujuzi wanafunzi hao wa mtwara wa namna ya kuboresha mradi wao.

Mwenyekiti wa taasisi hiyo ya KJF amesema kuwa wao wanafuraha kubwa kuwa moja kati ya wafanikishaji wa wanafunzi hao kutimiza ndoto zao za kimasomo hasa kiwango chao cha masomo ya sayansi jambo ambalo linapiganiwa na dunia nzima kuwa na wanasayansi wengi.

Diana sosoka Mshindi wa shindano la wanasayansi chipukizi akikabishiwa zawadi yake kutoka kwa Yusuph Karimjee leo Jijini Dar es salaam. Wasichana hao walishiriki mashindano ya wanafunzi mbalimbali wanasayansi yaliyoandaliwa na Taasisi ya young scientist Tanzania TYS Ambapo yalishirikisha wanafunzi kutoka shule mbalimbali nchini Tanzania wakionyesha ubunifu mbalimbali wa kisayansi ambao wamebuni.

Wanafunzi hao kutoka Mtwara secondary waliibuka kidedea baada ya kueleza wazo lao la kutaka kuwasaidia kina mama wa mkoa wa mtwara kuondokana na umasikini waliokuwa nao kwa kuwafundisha ufugaji wa kisasa wa kutotolesha kuku ambao wanaweza kuutumia katika kujikwamua na umaskini ulio mkubwa.

Wakizungumza na wanahabari wasichana hao wamesema kuwa masomo ya sayansi yamekuwa yakionekana kama ni magumu sana hasa kwa watoto wa kike jambo ambalo wamesema sio kweli bali kinachihitajika ni juhudi za kweli na nia ndiyo itakayomsaidia msichana mwanafunzi kufikia malengo yake.

1.2 MEDIA OUTREACH

The YST team consisted of Executive Director Dr Gozibert Kamugisha, Nabir Kalatela and media coordinator, accompanied with several officials from BG Tanzania Limited, a subsidiary of Royal Dutch Shell including external relations manager Patricia Mhondo and Msomisi Pamela Mbeni visited at Malambamawili secondary school to get to know the effectiveness of the YST project at the school level.

From the visit, the journalists wrote an article to explain the initiatives done by the YST in motivating the students to pursue science course, but also the features to demonstrate how successful the students are project able to provide solutions to society.

1.2.1 Feature articles

a) The Citizen newspaper

News summary; Young scientists given a boost.

Young scientists given a boost

Continued from page 15

competition however, the overall winner of the competition is at the end given a scholarship opportunity to study at any university in the country.

The organisation focuses on promoting young Tanzanians by providing a platform for young students from across all schools in the country to demonstrate their innovation and showcase their scientific talents.

The event also includes, tackling topics as wide ranging as nutrition, climate change, sustainable agriculture, gender inequality, disease, clean water and sustainable energy, all of which have major implications for the development of the Tanzanian economy and society.

This year's event will be held between August 8 and 9 at Julius Nyerere Convention Center (JNCC) whereby it will bring together 100 teachers and 200 students from different secondary schools country-wide, with BG Tanzania, a Subsidiary of Royal Dutch Shell as the main sponsor of YST.

During a two days exhibition, students will be given an opportunity to compete with others to represent their schools at the national competition.

YST co-founder, executive director Dr Godbert Kamugisha told Success recently during a tour visit at Kibaha, Tumbi and Malambaba marwili secondary school that this year's exhibition will be one of its kinds, because the exhibition goes concurrently with government slogan of industrialisation and medium income country by 2025.

Among other generated ideas to be presented at the upcoming exhibition include purification of water using solar system, Keep it cold or hot and how electricity is controlled by sound.

Explaining on solar purification of water idea, a form three student at Malambaba Marwili Secondary School, Violet Jakob said that they came up with such an idea in order to help the community access clean drinking water.

"One of the biggest national and world problem is finding clean water for domestic use, though in some areas you can find purified water due to the presence of technology however, in rural area people don't have access to clean drinking water," she said.

According to her, in rural areas most of the people use unpurified water due to lack of technology and skills therefore the problem can be solved by using simple method of distillation and purification.

She added that heavily contaminated water can be distilled to drinking water using solar heat to remove volatile solid impurities, microorganism but it is very disappointing that people still drink unpurified water due to lack of knowledge and skill.

She said that solar purification system is very important because it can be used in purifying water at house level using radiation with additional use of solar heating.

Dr Kamugisha explained that for a country to be developed there must be people who would be able to generate different type of ideas and such individuals are school going children with fresh mind.

"We encourage students to study science practically in order to help them try to solve the problems that occur in their community daily instead of waiting for the government to do everything for the community," he said.

He said that students should not practice science of copy and paste but should con-



MORE INFORMATION: IMPORTANCE OF SCIENCE

Science is bigger than human-centered subjects like history, literature, language, music, art. Perhaps it's overwhelming to think deeply about the implications of concepts like evolution, the big bang, subatomic particles. We can get out of our comfort zone pretty fast.

Science is a moving target, forever advancing and getting more complicated. It's hard to keep up and really hard to catch up. What you learn in high school is often so different by the time you have kids of your own that you can't easily help them with their science homework. Science changes faster than iPod models.



Through embracing science subjects, young scholars will be able to grow in an environment that is keen on technological trends and discoveries.

PHOTO: F&E

duct research in order to come up with new ideas and new innovations that would help uplift the advancement of technology and to boost the economy of the country.

Ms Patricia Mhondo, external relations manager at BG Tanzania, explained that they have been collaborating with YST to encourage students to learn science subjects, because they believe the fields of science rely on investing in young scientists.

"Most of the time, students get the wrong perception and shy away from learning science subjects, because they think science is difficult but it is an easy subject and the field gives high employment opportunity than other fields because a scientist can be anything he/she wants to be in life," she said.

She said that since the country is blessed with natural gas there is need to have adequate science experts who will be able to compete globally, nationally.

In view of this, she added that by having competent scientists, Tanzanians will have a greater opportunity at getting employment than losing such posts to foreign employees.

Ms Mhondo explained that doing science makes someone become more productive

and boosts thinking capacity beyond your imagination.

Coastal region coordinator of YST and a Kibaha secondary school teacher Mr Paul Balibate said the initiative to encourage students to study has helped the students record good pass marks so far.

In view of this, he explained that to teach children science subjects at an early age, will help the country innovate various projects therefore joint efforts by the government and stakeholders is needed to ensure that science subjects are regarded as national interest of the country.

"Ever since the school started participating in the exhibition in 2012, most students have been inspired to take science subjects which at times becomes difficult for the school authority to allow all students who pick an interest in science to enrol," he said.

Prime Minister Kassim Majaliwa recently granted permits for recruitment of 4,126 teachers for mathematics and science subjects, as among means of improving education standard in both primary and secondary schools in the country.

He told the National Assembly that the

industrial economy largely requires highly competent human resources, especially in mathematics and science.

The premier said that like any other countries in Africa, Tanzania was facing challenges for her students not wishing to study mathematics and science subjects and thus, contributing to the poor performance in these subjects.

"It is obvious that our children will be compelled to depend on experts from abroad if emphasis isn't put on mathematics and science subjects, a matter that will cause most Tanzanians to remain as observers," he warned.

He said that currently government has taken measures, including encouraging students to like and take up science subjects at all levels of their studies.

Furthermore, he said the government continues with its plans of constructing laboratories in secondary schools and colleges.

Activities conducted to achieve this project area. As a result of well-planned even allowances for game scouts. But with the support of PAMS Foundation, and has epitomized the commitment of the WMAs in the Selous-Niassa Wildlife focus and effort into this and to related education," he said.

farming in new areas, sometimes to protected areas.

BG Tanzania all out to recruit experts to work in extractive industry

BY CORRESPONDENT CRISPIN GERALD

STUDENTS in Tanzania have been reluctant to pursue science subjects because the subjects were difficult and puzzling to study, with some of them claiming that the government had failed to create conducive environment to study science.

It is these challenges that forced several education stakeholders to embark on various campaign aiming at encouraging youth to recognise the importance of pursuing science field.

Young Scientists Tanzania (YST) is an exceptional and innovative programme in Tanzania which has been providing a unique platform for young people across Tanzania to demonstrate their innovations and showcase their scientific talents.

The organisation has devoted itself to improve the level of science performance in secondary schools by encouraging youth with curiosity to pursue science courses by offering them scholarships and cash prize awards.

Since its inception in Tanzania in 2012, YST under the sponsorship of BG Tanzania Ltd a subsidiary of Royal Dutch Shell Plc has so far supported 19 secondary students from various schools with scholarships and cash prize awards after they had emerged overall winners in the yearly YST science projects competitions.

A survey that was prepared by YST and BG Tanzania to students at Kibaha secondary school illustrated how students have been empowered by the organisation to use science to develop innovative ideas that directly help to solve certain challenges in the community.

Joel Godwin and Frank Kapunga who are form six students at Kibaha secondary school pursuing science subjects have developed a project titled "electric switches" that are controlled by sound to operate drip irrigation and automatic fire control system in the buildings.

"In the life we encounter many electric appliances but many of them require physical attention, for science it requires manual process to turn on or off the lights," said Joel Godwin.

He detailed that the project will also be used to put off fire in the buildings through sound, whereby when fire breaks out it triggers the alarms and it send sound to the pipes connected automatically and releases water.

"Our idea was to create a circuit that uses sound to control fire outbreak, mainly to provide easiest means for fire control. We used several equipment including transmitter, resistor capacitor and transmitter," Kapunga said.

The student said the technology is also applicable in the drip irrigation systems whereby the phone is placed on the ground and connects it to the irrigation system that switches on water taps and release water automatically.

According to him, the technology will help the citizen to improve production through drip irrigation, but it also helps people to save time as they are able to continue with various activities while they are far.

Other students from Malimbamawili secondary school Violet Jakob and Sadiki Athumani also proves how science provides solutions against the existing problem in the society, through their project for purifying water using solar system.

Violet Jakob said that they decided to conduct the project due to the escalating incidents of students who die due to cholera diseases.

"One of the major challenges facing the world now is access to clean and safe water for domestic consumption. The record shows that in rural areas it is rare to obtain clean water for drinking water as compared to urban areas due to the availability of technology to purify water for domestic consumption," she said.

She detailed that the project apply distillation and purification methods, with several equipment include solar energy collector, glass, pan, water collector and tube.

"A pan of water is placed inside the energy collector and placed under the sunlight. The energy collector absorbs the solar radiation and heat is converted to the air inside the collector," she said.

Sadiki Athumani explained that due to difference in air density warm air would rise to the top of the device. Then the water vapor collected in vapor condenser (glass) and condenses steam and a water collector collects distilled water.

He added that the device was placed on the sun for seven days where contaminated water were purified and collected as distilled water. The results shows water collected after distillation was clean and well purified.

"So far we have submitted our findings to the University of Dar es Salaam laboratory to test if there are some micro organisms before taken for use," he said.

The YST in collaboration with BG Tanzania Ltd a subsidiary of Royal Dutch Shell will host science exhibition in Dar es Salaam whereby 200 students across the country and 100 secondary teachers are expected to attend the exhibition scheduled on August 9th this year.

Themed: Science and innovation among young people for sustainable industrial development, it will invite students to showcase their scientific innovations. The exhibition shall also involve several scientific projects in various categories including biological, mathematics, social behaviors, agriculture and technology.

Echoing, Young Scientists Tanzania (YST) Co-Founder and Executive Director Dr Gaziubert Kamugisha said the main goal for YST is to influence young generations to adopt practical methodology of doing science rather than theory approach.

Kamugisha said YST picks several secondary students from across the country and provides a platform for them to showcase their scientific research and compete with each other at the yearly exhibition being held in Dar es Salaam.

"The overall winner from the exhibition is awarded a scholarship to study the university in the country and other award like cash prize," he said.

"Doing science practically is the best methods as it involves knowledge derived from physics, mathematics, and other related fields of science to solve the problem facing the society," director insisted.

He added that the BG Tanzania is currently seeking the experts specialised in the oil and gas sector who can take part in the industry, that is why they are supporting the YST to empower the students to study science courses.

He explained that doing business in oil and gas requires vast experts, the BG Tanzania intends to recruit Tanzania experts to work extensively in the industry, but to date the number of experts is not sufficient to feed up the demand in the sector.

"Hence, the BG Tanzania, through YST supports the students with practical based-science skills so that they can become the experts in oil and gas industry," Dr detailed.

YST Coordinator at Malimbamawili secondary school Sixta Banda said that since the establishment of YST programmes at the school, there have been many improvements in science subjects and the students have become passion in practicing science.

"The level of science performance at the school has increase from 65 to 75 per cent and the students have been patients with practicing the science projects to nourish their level of understanding on practical approaches.

Banda said the students develop the project ideas on their own and share it to their teachers and mentors who assist to shape it in a simple way for project.

"The YST through its management supports the students' project by funds and other operational activities," detail the coordinator.

She detailed that, last year the students expressed enthusiasm to participate to the YST science competitions, but they were discouraged by lack of potential science teachers to support and encourage them in their projects.

YST last, endorsed the passion of students to practice science by competition under the practical methodology," Banda explained.

YST east region coordinator a mentor at Tumbi secondary school Paul Balibate said there has been improvement for science performance at the school that enable the students to be capable in developing the projects ideas that directly solves the existing problems.

External relations manager at BG Tanzania Ltd a subsidiary of Royal Dutch Shell Plc Patricia Mhondo said that they have decided to support the YST mainly to generate youth with science-based practical approaches who will be developed and become experts in the sector.

"We believe the future of the sectors depends on your expertise, research papers and investigation in the energy sector, because we doctors, engineers, technicians and other related experts," Mhondo said.

"So we are optimistic that by supporting the youth we give them experience to be competitive in science fields and be able to demonstrate confidently what they have in their mind," she insisted.

Mhondo added that the company desires a lot to recruit local people who are able to work efficiently in the sector to substitute the cost they incur to employ an expert from abroad to be used to train and empower them.

"It is better to learn more. Don't shy away from science, it is good to investigate and to research," she told the students at Malimbamawili.

"We believe that the young generations are able to influence changes in the industry if and only if the government will effectively invest science skills into them," she added.

According to her, the Young Scientists Tanzania has the best practical and methodological framework for preparing the students to fit in the science and technology industry.

Mhondo detailed that the government is supposed to take the leading role in identifying the key demand of the industry.

The BG Tanzania has been the main sponsor for YST since 2012 seeks basic skills in vast areas of field including mechanical engineering, careers and others.

There is a room for 80000 industry employees in the company that requires Tanzanians to create the power.



External relations manager at the BG Tanzania Ltd a subsidiary of Royal Dutch Shell Plc Patricia Mhondo (2nd R) listens to Sadiki Athumani, a student at Malimbamawili secondary school on how their project for purification of water by using solar system operates to produce clean and safe water. The project has been supported by Young Scientists Tanzania (YST) and BG Tanzania. Others are YST executive director Dr Gaziubert Kamugisha (1st R) and senior social performance advisor at BG Tanzania Ltd, Msomili Mbemba (1st L).

Photo: Correspondent Crispin Gerald

1.3 TELEVISION INTERVIEWS

a) ITV

Before exhibition

The Interviews provides the detailed information concerning the Young Scientists Tanzania (YST) activities and the YST 2017 exhibition that shall gather about 200 students from across the country to showcase their scientific innovation.

The interviews was conducted at ITV on July 26th 2017

News summary; The importance of the students to practice science. Dr Gozibert Kamugisha highlighted the performance of YST at secondary school that has encouraged many students to come up with projects that directly addresses solutions in the society.



b) At East Africa TV

The interview was conducted on the same day of July 26th 2017

News summary: YST underlined the need for the government to invest practical based approach to science subjects in order to produce intelligent and skilled people who will provide solutions to the society through innovations.

2.0 PRESS CONFERENCE on August 6th 2017

2.1 TVs

2.1.0 Independent TV (ITV) -



News summary: The Government challenged to develop young generations with practical science based approach to attain the industrialization goals.

2.1.1 Azam TV-



News summary: More than 200 students to showcase their scientific innovations at the science exhibition scheduled to take place on August 9th 2017.

2.1.2 East Africa TV-



News summary; The Young Scientists Tanzania to host science exhibition in Dar whereby 200 students from across the country will showcase their innovative at the exhibition.

2.1.3 Channel Ten-



News summary: The government told to invest in young science generation if they want to achieve the Industrialization strategy by 2025.

2.2 RADIOS

2.2.1 EFM radio-



News summary; More than 200 young scientists students from across the country are expected to showcase their scientific innovations at the Young Scientists Tanzania exhibition scheduled for August 9th 2017.

2.2.2 EA radio



News summary; The science stakeholders have insisted the government to prepare young generations with practical science base for them to be competent able to take part in the industrial sector.

2.2.3 Upendo fm radio



News summary The Young Scientists Tanzania (YST) insisted the government to look on the necessity of developing capacity to young generations.

2.2.4 Clouds fm radio-



News summary: about 200 students from across the country are expected to showcase their scientific talents at the Young Scientists Tanzania YST exhibition expected to kick off on August 9th 2017.

2.3 Newspapers

2.3.0 The Guardian- the story appeared on August 7th 2017 on page 6.

News summary: Young Tanzanians to showcase their technological and scientific innovations. Young Scientists Tanzania will tomorrow organize the 6th Scientific exhibition 2017 for secondary school students to show case their technological and scientific innovations.

Young Tanzanians to showcase their technological and scientific innovation

By Correspondent James Kandoya

YOUNG Scientists Tanzania (YST) will tomorrow organise the 6th scientific exhibition 2017 for secondary school students to showcase their technological and scientific innovations.

Speaking to reporters over the weekend, the YST executive director Dr Gosbert Kamugisha said the exhibition will be held for two days in the commercial city of Dar es Salaam Region.

He said in this year exhibition, a total of 200 secondary school students and 100 science teachers from all regions will attend, adding that it had been organised under sponsorship of BG Tanzania a subsidiary of Royal Dutch Shell plc.

The executive director said during the exhibitions, the young scientists will display

projects in various areas of science such as chemical, physical and mathematical sciences, biological sciences, social and behavioural science technology.

The projects are mainly finding practical solutions to development challenges in health, agriculture and food security, communications and transportation safety, energy and environment, education, social relations and social problems," he said.

Kamugisha said that the young scientists with best projects will be awarded with cash prizes, medals, trophies, lab equipment and library refurbishment for their schools.

He added that four young scientists will be awarded with university scholarships to enable them to pursue scientific and technological studies at

university level as a way of helping them to advance their scientific talents.

Similar to previous five YST exhibitions, he said this year exhibition was geared towards changing the way science was taught as well as building science culture among young people in Tanzania.

Elaborating more, he said the exhibition was a platform for showcasing project based science whereby young people demonstrate practical solutions to social-economic challenges facing the country.

Kamugisha who is also the co-founder described that by so doing students will get to understand science taught in class in a much practical way and ultimately innovations grooming them to have more interest in science and technology.

BG Tanzania- a subsidiary of Royal Dutch Shell plc, managing director Marc Den Hertog said that no government in the world had developed with scientist experts, adding that company role was to support young scientists to realise their dreams.

"BG Tanzania is proud to register tremendous success following huge investments to build capacity of the youth in like science subjects through collaboration and innovation. As a result the number of students increased from 100 in 2011 to 200 students in 2017," he said.

Founded in 2011, Young Scientist Tanzania (YST) is a unique innovative programme in Tanzania, delivering integrated and complimentary events in Tanzania secondary school academic year.

SAINTS AUCTION MART COMPANY LIMITED

Local farmers urged to use mobile technology



Youth Scientists Tanzania (YST) co-founder Gosbert Kamugisha (C) addresses a press conference in Dar es Salaam yesterday on an upcoming YST exhibition to be held in the city this week. He is flanked by YST co-founder and senior science advisor Joseph Crowry (L) and BG Tanzania managing director Marc Hartog. Photo: Salamoni Mipochi

Conservationists call for tougher laws against poaching

FROM PAGE 1

NTSCU's major successes was the

2.3.1 The Citizen

News link: <http://www.thecitizen.co.tz/News/Young-scientists-in-exhibition-of-new-technologies/1840340-4047226-rsneinz/index.html>

News summary: Young scientists in exhibition of new technologies

2.3.2 Daily News- the story appeared on August 7th page 2

News summary: Young Scientists Tanzania event begins today. Over 200 students and 100 teachers across the country are expected to display their skills in the sixth Young Scientists Tanzania exhibition that begins today.

Young Scientist Tanzania event begins today

By JIMMY LWANGILI

OVER 200 students and 100 teachers across the country are expected to showcase their skills in the sixth Young Scientist Tanzania (YST) exhibition that begins today.

This year's event which will be held between August 8 and 9 (today and tomorrow), at Julius Nyerere Convention Center (JNCC) is sponsored by BG Tanzania, a Subsidiary of Royal Dutch Shell.

YST Co-founder/Director and Science Advisor, Mr Kamugisha Gozibert told a press conference over the weekend that every year, they organise a national exhibition and competition in which several schools, students come together to participate in the event, to generate ideas for their projects based on realities faced in their communities.

He said that the event focuses on promoting young Tanzanians by providing a platform for students from all schools in the country to demonstrate their innovation and scientific talents.

According to him, they will display projects in various areas of science such as chemical, physical and mathematical, biology and ecological, social and behavior science. The project mainly find practical solutions to development challenges in health, agriculture, food security, communication and transport safety, energy and environment and education.

"The aim of this programme is to influence students to develop their talents in the science industry and become scientists who will boost the country's development as we are now investing in industrial sector," Kamugisha said.

Ms Patricia Mhondo, External Relations Manager at BG Tanzania, explained that they have been collaborating with YST to encourage students to learn science subjects, because they believe the fields of science rely on investing in young scientists.

"Most of the time, students get the wrong perception and shy away from learning science subjects, because they think science is difficult, but it is an easy subject and the field gives high employment opportunity than other fields because a scientist can be anything he/she wants to be in life," she said.

She added that since the country is blessed with natural gas and there is need to have adequate science experts who will be able to compete globally and nationally.

She added that by having competent scientists, Tanzanians will have a greater opportunity at getting employment than losing such



PEDESTRIANS and motorcyclists near that connects Mwananyamala kwa M captured in Dar es Salaam, yesterday

NBS dismisses radio, television

By NEEMA NYERERE and CARINE SENGUJI

NATIONAL Bureau of Statistics (NBS) has dismissed figures, on radio and television audiences availed by GeoPoll Company on social media, saying the system used is not recognised, according to Ar

2.3.3 Mwananchi

News summary; 'Serikali iwekeze kwa wanasayansi wachanga'

The government has to invest to young scientists. The YST Executive Director Dr Gozibert Kamugisha insisted that the government should invest in young people to run Industrialization strategy.



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ote ya kumuona akiwa

'Serikali iwekeze kwa wanasayansi wachanga'

Elizabeth Edward, Mwananchi
eedward@mwananchi.co.tz

Dar es Salaam. Wakati Serikali ya Awamu ya Tano ikiweka mkazo kuifanya Tanzania kuwa nchi ya viwanda, wadau wameshauri nguvu hiyo pia itumike kuwaandaa wanasayansi wachanga.

Mkurugenzi Mtendaji wa Taasisi ya Young Scientist Tanzania (YST), Dk Gosbert Kamugisha ametoa rai hiyo jana jijini hapa aliporungumza na waandishi wa habari.

Alisema ni muhimu kuwekeza kwa wanafunzi ambao wanaonyesha kuvutiwa na masomo ya sayansi kwani wao ndiyo watakaendesha viwanda siku za usoni. Kufanikisha hiko YST imeandaa maonyesho ya wanasayansi chipukizi yatakayowahusisha wanafunzi wa sekondari.

Dk Kamugisha amesema maonyesho hayo yatahusisha kazi za kisayansi na ugunduzi kutoka kwa wanafunzi 200 na walimu 100 wa sekondari.

Mkurugenzi Mtendaji wa BG Tanzania-A subsidiary of Royal Dutch Shell Plc, Kanda ya Afrika Mashariki, Marc den Hartog alisema kampuni hiyo imevutiwa kufadhili mashindano hayo kwa kuwa ni mradi unaolenga kuwajenga wanasayansi.

Nipashe – the story appeared on August 8th 2017.

News summary; ‘200 Kushindanishwa ubunifu’

Shirika la wanasayansi chipukizi Tanzania linatarajia kukutanisha wanafunzi 200 kutoka katika mikoa mbalimbali kwa ajili ya kuwashindanisha katika kazi za ubunifu za kisayansi.



2.3.4 Habari leo

News summary; Wanasayansi chipukizi kuonesha uwezo wao wa kufanya tafiti wao.

2.4 Blogs

2.4.1 Michuzi blog

Link of the story; <http://issamichuzi.blogspot.com/2017/08/wanasayansi-200-kuonesha-kazi-zao.html>.

About 200 students from across the country are expected to display their scientific innovations in Dar es Salaam region.



Executive Director and Co-founder for the Young Scientists Tanzania (YST) Dr Gozibert Kamugisha speaking to journalists concerning the YST exhibition that are expected to kick off on August 8th and 9th at the Julius Nyerer International Convention centre JNICC. Right is the Managing Director for BG Tanzania a subsidiary of Royal Dutch Shell Plc Marc den Hartog.



The Managing Director for BG Tanzania Marc den Exter makes a point to journalists at the press conference on why the BG Tanzania supports the Young Scientists Tanzania (YST) that provides the platform for youth to prosper in science field.

2.4.2 JIJ Letu blog:

Link of the story

<https://jijiletublog.blogspot.com/2017/08/wanasayansi-200-kuonesha-kazi-zo.html>

200 Young Scientists from across the country to showcase their scientific projects in Dar es Salaam commercial city from August 8th to 9th this year.

Na Humphrey Shao, Globu ya Jamii

Maonesho ya elimu ya Sayansi kwa wanafunzi wa Sekondari maharufu kwa jina la Young Scientist yanataraaji kuanza agosti 8 hadi 9 mwaka huu katika ukumbi wa Mwalimu Nyerere Jijini Dar es Salaam.

Akizungumza na Waandishi wa Habari Jijini Dar es Salaam leo Mkurugenzi wa YST Dr Gozibert Kamugisha amesema onesho hili la aina yake litaonyesh kazi za kisayansi na ugunduzi kutoka kwa wanafunzi wa Sekondari 200 na walimu 100 kutoka mikoa yote Tanzania.

“Kwa siku mbili za onesho wanasayansi Chipukizi wataonesha kazi zao katika Nyanja mbalimbali za Sayansi kama vile kemia ,fizikia , hesabu .Bilojia ,ekolojia,Sayansi ya Jamii na Teknonojia .hivyo kazi nyigi zitakazooneshwa zimejikita katika kutoa njia za kukabiliana na matatizo ya afya ,Kilimo na usalama wa matatizo ya kijamii zaidi,” Amesema kamugisha.

Amesema Onesho ili limewezeshwa na udhamini endelevu wa mdhamini mkuu BG Tanzaniaa ambayo ni kampuni tanzu ya Royal Dutch Shell Plc na wadhamini wengine.

Ametaja kuwa Wanasayansi Chipukizi watakaonesha kazi nzuri watazawadiwa pesa Taslimu Vikombe, Medali na Vifaa vya Maabara.

Kwa Upande wake Mkurugenzi wa Shell Afrikaa ya Mashariki n Bg Tanzaniaa,Marc den Hartog amesema kuwa wao kaama Shell wanaona fahari kubwa kuwa mdhamini wa mashindano haayo kwa kwa kufanya hivyo ndivyo wataweza kupata wanasayansi wa baada e ambao wataweza kusaidia katika uchumi wa Viwanda na sekta ya gesi na mafuta .





- 1) Photo GB Tanzania External relations manager Patricia Mhondo emphasize a point concerning the company investment on empowering the youth.
- 2) The Young Scientists press conference concerning the exhibition is taking place at the golden tulip in the city of Dar es Salaam.

3.0 MEDIA COVERAGE DURING AWARD CEREMONY

3.1 Televisions

a) Dizzim online



News summary: how Young Scientists Tanzania empowered young Tanzanians to become scientific innovators.

c) Zanzibar Broadcasting Corporation (ZBC) - the story was produced on August 11th 2017



News summary: The government has been interested by Young Scientists Tanzania (YST) initiatives to empower youth in science projects, while urging other stakeholders to emulate examples from the YST. The Deputy Permanent Secretary in the ministry of education, science and vocational training made the remarks at the 6th YST exhibition where he was the guest of honor.

d) Channel Ten- the story was broadcasted on August 11th 2017 morning.



News summary: The Tanzanian students have proven their talents in the scientific innovations during the Young Scientists exhibition. The story produced on August 11th 2017.

e) EATV- The story was broadcasted on August 9th Thursday morning.



News summary: Tanzanian students proves their capacity in the scientific innovations

3.2 Radios

a) BBC radio



The story came out on September 4th, 2017

News summary: secondary students prove their innovative talents from the YST 2017 exhibitions.

b) Efm



The story came out on August 11th 2017

News summary; Young students encouraged to pursue science course to become experts in the sector.

c) Clouds fm-



The story come out on August 11th 2017 morning.

News summary; Young students urged the government to create good environment foe learning science.

d) Upendo fm-



The story was broadcasted on August 11th 2017.

News summary; Youth challenged to be innovative in order to accelerate country economic development.

e) EA radio-



The story was broadcasted on August 10th 2017

News summary; Tanzania students' shines at the Young Scientists exhibition (YST)

3.3 Newspapers

a) English newspaper

The Guardian- the story appeared on August 14th 2017





News summary; BG Tanzania supports students with science skills.

Best science students to get scholarships, not loans.

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BG Tanzania Ltd a subsidiary of Royal Dutch Shell Plc managing director Marc den Hartog (R) applauds St. Jude secondary students Prosper Gasper (2nd L) and Erick Simon who emerged the overall winner of Young Scientists Tanzania (YST) 2017 with their project titled: 'The use of mobile network as a fire alert system. The event took place in Dar es Salaam on Wednesday. Left is deputy Permanent Secretary in the Ministry of Education, Science and Technology Prof. Simon Msanjila. Photo: Crispin Gerald

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THE CITIZEN Tuesday, 22 August, 2017

Success

Audiology and speech language pathologist
Career, p. 17 >



The Young Scientists Tanzania exhibition provides a forum for students to tackle various challenges and find some scientific solution to solve them. PHOTO: ELIZABETH TUNGARAZA

Encouraging young scientists to invent

Familiarising pupils and students with science activities while in school will help them understand various important scientific concepts and help them create new things; such was recognised by an initiative called Young Scientists Tanzania.

By Elizabeth Tungaraza
@TheCitizenTz
etungaraza@
tz.nationmedia.com

Young Scientists Tanzania [a unique programme in Africa encouraging practical training] witnessed 80 secondary schools taking part from 26 regions of Tanzania who showcased their talents in science disciplines.

The project that stood out Prosper Gasper and Eric Simon's project, titled, 'The use of mobile network as a fire alarm system' became the most talked about presentation during the two-day event. "Our project aims at improving people's lives as it boosts their security against fire, the disaster that has cost families and the nation billions of shillings in damage," Eric explained in an interview with Success.

Prosper and Eric used a mobile phone network as a trigger of a fire alert system, which they attached to a security system alarm. According to both the boys who represented St Jude Secondary School in Arusha, they combined the knowledge they have on electronic devices and mobile phone to construct something that can save people's lives. "We applied some electronic skills that we had to tackle a problem that face our societies. We used mobile phone, smoke sensors and other

The education stakeholders present at the Young Scientists Tanzania exhibition commended the initiative that it was an impressive event and a success as it provides a forum for students to tackle various challenges and find some scientific solution to solve them."

Continued on page 18

b) The Citizen, the story came out on Tuesday 22nd 2017

News summary; Encouraging young scientists to invest.

c) Daily News – the story come out on August 25th 2017.

News summary; Young scientists come up with fire alert tech

LOCAL FEATURES DAILY NEWS, FRIDAY, AUGUST 25, 2017 15

Young scientists come up with fire alert tech

BY JIMMY LWANGILI

FIRE FIGHTING is still a major challenge in Tanzania as the country needs the innovation of technology to curb property loss and deaths occurring annually in society.

This contest was made possible by two 17-year-old Form III students of Saint Jude Secondary School in Arusha Region, Prosper Gasper and Erick Simon. They were two of the participants at the sixth Young Scientists Tanzania (YST) exhibition and competition held in Dar es Salaam recently.

They have emerged the winners of the competition for designing a fire alert system through mobile networking system and awarded a shield, 1.5m/- cash and a scholarship for pursuing university studies. They were awarded by the Karimjee vanje Foundation.

Explaining on the technology they had designed, Gasper said they innovated an alert fire system through use of mobile network to improve today's technology in solving such problems as fire outbreak and theft.

He said before collecting materials used in their design they conducted several tests of the fire systems in use today by visiting different places dealing with fire controller in Arusha Region.

They surveyed different premises, including homes, which experience fire. We collected problems facing the community. So we decided to design a system which will alert the community and

tors, radio and USB hub.

The fire fighter controller system they designed could also open the emergence door of which the current fire detectors cannot do but just produce sound and light to alert people about outbreak of fire.

Another student, Erick Simon, explained that through the technology, a house owner can receive a call and be informed if the house has caught fire or invaded by thieves.

"Our system can be used in different areas, especially in boarding schools and factories, where there are problems of fire outbreaks and no one to alert the people inside or to open the emergence door," he said.

"We started thinking about the project from August 12 last year after we became the overall winners at the Nelson Mandela African Institute of Science and Technology University (NM-AIST) for designing an automatic vending machine. We thought that the machine will help the public control fire.

"It took us three weeks to think about the technology design. Then we started collecting materials."

Simon said time was the major challenge facing them "because we're still at school so we need to be in class for normal lessons and get few minutes for our technological experiments. "We also needed financial support to develop our technology."

Denis Eziron, a teacher at St Jude Secondary School, says the school management has various programmes to encourage students to develop their talents and skills in science and technology.

"We also connecting them to participate in various scientific exhibitions and competitions to showcase their skills and gather experience on what their fellow scientists

are doing," Eziron said.

YST Executive Director, Gilbert Kamugisha, said his organization was established in 2011 deriving from a concept based on a long successful Irish model popularising science among young people.

He says many graduates have in fact gone to become entrepreneurs, doctors, physicists, medical scientists and academics. The YST the initial funding for the Young Scientists Initiative and it annually for the years.

The aims are science and technology subjects of interest among young people to educate students in scientific research, to improve the quality of science very important in the links technology development," Kamugisha said.

The YST Secretary, Education, Prof Simon Msanjala, said 400 students from 100 schools participated in the competition.

ST Jude's Secondary School students in Arusha Region, Prosper Gasper and Erick Simon receive a shield from the Deputy Permanent Secretary in the Ministry of Education, Science and Vocational Training, Prof Simon Msanjala, after they emerged winners of Young Scientists Tanzania 2017 for designing the use of mobile networks as a fire alert system.



d) Mwananchi

News summary; 'Fanyeni utafiti kutibu changamoto za jamii'

Wanafunzi wametakiwa kujenga utamaduni wa kufanya utafiti na ubunifu wa kisayansi ili kubaini namna ya kukabiliana na changamoto zilizopo ndani ya jamii.



e) Nipashe – the story published on August 11th 2017

News summary; The government to support students with scholarship rather than loans.

f) Habari Leo

News summary; The young scientists has plea to the government to support their innovative talents.

3.4 Blogs

Link; <https://issamichuzi.blogspot.com/2017/08/arusha-waibuka-vinara-tuzo-za-sayansi.html>

Michuzi ARUSHA WAIBUKA VINARA TUZO ZA SAYANSI ZA YST.



Naibu Katibu Mkuu wa wizara ya elimu, Prof Simon Msanjila akikabidhi zawadi kwa washindi wa jumla wa shindano la wanasayansi chipukizi lililofanyika jana katika ukumbi wa mikutano wa mwalimu Nyerere.

Deputy Permanent Secretary in the ministry of education, science, technology and vocational training Prof Simon Msanjila presents an award to the YST 2017 overall winners Eric Simon and Prosper Gasper from St. Jude secondary school in Arusha.



Deputy Permanent Secretary in the ministry of education Prof Msanjila read the award for the YST 2017 overall winners. First Right is the MD for BG Tanzania a subsidiary of Royal Dutch Shell PLC Marc den Hartog. The BG Tanzania is the main sponsor for Young Scientists Tanzania.



Students celebrating after the announcement of the YST 2017 overall winners Eric Simon and Prosper Gasper a students from St. Jude secondary school from Arusha.

3.4.0 JIJi Letu

Link <https://jijiletublog.blogspot.com/2017/08/arusha-waibuka-vinara-tuzo-za-sayansi.html>

News summary: wanafunzi wa shule ya St Jude toka Arusha waibuka vinara tuzo za sayansi za YST 2017.



Wanafunzi wa St. Jude toka Arusha Prosper Gasper na Eric Simon wenye fulana za blue, wakilakiwa na washiriki wa maonesho ya kisayansi ya YST 2017 baada ya kutangazwa kua washindi wa jumla. Sherehe hizo zilifayika jijini Dar es Salaam katika ukumbi wa mikutano wa Julius Nyerere International Convention Centre JNICC.

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DECLARATION

I, Crispin Gerald, declare, this report belongs to Young Scientists Tanzania (YST). It has being prepared by Crispin Gerald as a PR Consultant for YST. It has not presented or submitted before to any other Organization for equivalent services.

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