



Innovation Breakthrough at National University of Science and Technology Zimbabwe: Talking Tree Unveiled!



**Shivaji Science
Innovation and
Incubation Centre**

Innovation Breakthrough at National University of Science and Technology Zimbabwe: Talking Tree Unveiled!

Even the trees at the National University of Science and Technology (NUST) campus in Zimbabwe are now talking. Now recently the smartphone application "Talking Tree NUST" was unveiled at the National University of Science and Technology (NUST) campus.

This initiative is the result of joint efforts of Shivaji Science Innovation and Incubation Centre, Department of Chemistry of NUST Zimbabwe and Department of Forest Resources and Wildlife Management at NUST. A team consisting of dedicated students and guided by experts has been working diligently on this project for the past few months. This application, which scans QR codes on trees, provides visitors with valuable information directly from the trees themselves. The father of the concept of Talking Tree is Dr. Expressing his excitement, Dhote said, "The Talking Tree project is a testament to the limitless possibilities when science, innovation and nature come together."

In this collaboration Dr. Head of Department of Forest Resources and Wildlife Management at NUST. Angela Chichinye and Head of Department of Chemistry, NUST Zimbabwe, Dr. Bongani Ndhalovu Yalala was the expert. With his guidance, the "Talking Tree NUST" smartphone application is now available to students and locals at the National University of Science and Technology (NUST) campus in Zimbabwe. "We are seeing for the first time that the tree gives its own information by scanning the QR code and this type of initiative has been established for the first time in my country," said Dr. Posted by Angela Chichinye. Dr. Bongani Ndhalovu said "Talking Tree NUST is an innovative initiative, and soon we will be rolling out such an initiative in many forest departments in Zimbabwe. With Dhote's help, we will install it soon."

Students from both institutions contributed as project interns combining their skills and interests to establish Talking Tree NUST. This initiative aligns NUST's innovation, sustainability and interdisciplinary collaboration.

The Talking Tree NUST smartphone application will create an immersive and educational experience for visitors to the campus. This pioneering project not only showcases technological advancements at the university, but also highlights the importance of combining science, nature and education for a brighter, greener future.

'क्यूआर कोड'द्वारे झाडांमधूनच मिळते मौल्यवान माहिती महाराष्ट्रातील प्राध्यापकाने झिम्बाब्वेतील झाडे 'बोलकी' केली

लोकसत्ता विशेष प्रतिनिधी

नागपूर : झिम्बाब्वेमधील 'नॅशनल युनिव्हर्सिटी ऑफ सायन्स अँड टेक्नालॉजी' (एनयूएसटी - नस्ट) परिसरातील झाडेसुद्धा आता बोलायला लागली आहेत. येथे नुकतेच 'टॉकिंग ट्री नस्ट' या स्मार्टफोन ॲप्लिकेशनचे अनावरण झाले. हा उपक्रम नागपूर येथील शिवाजी सायन्स इनोव्हेशन अँड इनव्हेस्टिगेशन सेंटर तसेच झिम्बाब्वे येथील नस्टचा रसायनशास्त्र विभाग आणि तेथील वनसंसाधने व वन्यजीव व्यवस्थापन विभाग यांच्या संयुक्त प्रयत्नांनी राबवण्यात आला.



विद्यार्थ्यांचा समावेश आणि तज्ज्ञांचे मार्गदर्शन लाभलेला एक समूह गेल्या काही महिन्यांपासून या

तज्ज्ञ काय सांगतात ?

- क्यूआर कोड स्कॅन करून झाड स्वतःची माहिती स्वतःच देतो, हे आम्ही पहिल्यांदाच बघत आहोत आणि अशा पद्धतीचा उपक्रम पहिल्यांदाच आमच्या देशात संस्थापित झाला आहे, असे मत डॉ. अँजेलो चिचिन्ये यांनी मांडले.
- 'टॉकिंग ट्री नस्ट' हा एक नावीन्यपूर्ण उपक्रम असून, लवकरच आम्ही असा उपक्रम डॉ. सारंग धोटे यांच्या मदतीने झिम्बाब्वेतील अनेक वनविभागात स्थापित करू, असे डॉ. बोंगानी न्धलोलू यांनी सांगितले.
- विज्ञान, नवकल्पना आणि निसर्ग एकत्र आल्यावर त्यातून जे साकारले जाते ते म्हणजे 'टॉकिंग ट्री प्रकल्प' आहे, असे या संकल्पनेचे जनक डॉ. सारंग धोटे म्हणाले.

प्रकल्पावर परिश्रमपूर्वक काम करत होता. झाडांवरील 'क्यूआर कोड' स्कॅन करणारे हे ॲप्लिकेशन

अभ्यागतांना थेट झाडांमधूनच मौल्यवान माहिती पुरवते. या उपक्रमात नस्टमधील (पान ४ वर)





Certificate of Achievement

This is to certify that

Chaitali Sandeep Patil

M. Sc.,

Shri Shivaji Science College, Nagpur, India.



has successfully completed a six-month internship as a Project Intern for the "Talking Tree, NUST" project. Chaitali Sandeep Patil made significant contributions to the development of the Talking Tree smartphone application, a project that aimed to enhance the knowledge and awareness of the diverse trees located on the campus of the National University of Science and Technology Zimbabwe (NUST).

During the internship, Chaitali Sandeep Patil actively participated in the development of the Talking Tree smartphone application, which enables visitors to access information about the various trees on the NUST campus. Through scanning QR codes attached to each tree, visitors can receive detailed information about the tree, thus promoting an educational and interactive experience with the natural environment. The project is an international joint collaboration between Shri Shivaji Science College, India, and the National University of Science and Technology Zimbabwe (NUST).

The dedication, commitment, and skills demonstrated by Chaitali Sandeep Patil throughout the internship played a crucial role in the success of the project.

In recognition of your outstanding contributions and dedication to the "Talking Tree, NUST" project, we hereby award this Certificate of Achievement.

Date – 9th November 2023

Dr. Sarang Dhote

Head, Shivaji Science Innovation &
Incubation Centre
SSCN, India

Dr. Bongani Ndhlovu Yalala

Head, Chemistry Department
NUST, Zimbabwe

Dr. Angella Chichinye

Head, Forest Resources & Wildlife
Management
NUST Zimbabwe



Certificate No. 1



Certificate of Achievement

This is to certify that

Nontobeko Ncube

Forest Resources and Wildlife Management,
National University of Science and Technology, Zimbabwe.



has successfully completed a six-month internship as a Project Intern for the "Talking Tree, NUST" project. Nontobeko Ncube made significant contributions to the development of the Talking Tree smartphone application, a project that aimed to enhance the knowledge and awareness of the diverse trees located on the campus of the National University of Science and Technology Zimbabwe (NUST).

During the internship, Nontobeko Ncube actively participated in the development of the Talking Tree smartphone application, which enables visitors to access information about the various trees on the NUST campus. Through scanning QR codes attached to each tree, visitors can receive detailed information about the tree, thus promoting an educational and interactive experience with the natural environment. The project is an international joint collaboration between Shri Shivaji Science College, India, and the National University of Science and Technology Zimbabwe (NUST).

The dedication, commitment, and skills demonstrated by Nontobeko Ncube throughout the internship played a crucial role in the success of the project.

In recognition of your outstanding contributions and dedication to the "Talking Tree, NUST" project, we hereby award this Certificate of Achievement.

Date – 9th November 2023

Dr. Sarang Dhote

Head, Shivaji Science Innovation &
Incubation Centre
SSCN, India

Dr. Bongani Ndhlovu Yalala

Head, Chemistry Department
NUST, Zimbabwe

Dr. Angella Chichinye

Head, Forest Resources & Wildlife
Management
NUST Zimbabwe



Certificate No. 11

Dr A A Halder
Coordinator, IQAC
Science College,
Congress Nagar, Nagpur

Prof. M. P. Dhore
Principal
Science College,
Congress Nagar, Nagpur

