



Extracts from the Register of Copyrights



प्रतिलिप्यधिकार कार्यालय, भारत सरकार | Copyright Office, Government Of India

दिनांक/Dated:29/05/2024

- पंजीकरण संख्या/Registration Number : **L-148402/2024**
- आवेदक का नाम, पता तथा राष्ट्रीयता
Name, address and nationality of the applicant : **BIRLA INDUSTRIAL & TECHNOLOGICAL MUSEUM , 19A, GURUSADAY ROAD, KOLKATA-700019 INDIAN**
- कृति के प्रतिलिप्यधिकार में आवेदक के हित की प्रकृति
Nature of the applicant's interest in the copyright of the work : **OWNER**
- कृति का वर्ग और वर्णन
Class and description of the work : **LITERARY/ DRAMATIC WORK ARTIFACT BASED SCIENCE MUSEUM GALLERY DEPICTING THE EVOLUTION OF COMMUNICATION DEVICES AND TECHNOLOGIES WITH TRUE TALES CELEBRATING THE MEN AS WELL AS THEIR MACHINES.**
- कृति का शीर्षक
Title of the work : **VINTAGE VOYAGE - COMMUNICATION TECHNOLOGY (EXHIBITION)**
- कृति की भाषा
Language of the work : **ENGLISH**
- रचयिता का नाम, पता और राष्ट्रीयता तथा यदि रचयिता की मृत्यु हो गई है, तो मृत्यु की तिथि
Name, address and nationality of the author and if the author is deceased, date of his decease : **SUBHABRATA CHAUDHURI , BIRLA INDUSTRIAL & TECHNOLOGICAL MUSEUM, 19A, GURUSADAY ROAD, KOLKATA-700019 INDIAN**
- कृति प्रकाशित है या अप्रकाशित
Whether the work is published or unpublished : **PUBLISHED**
- प्रथम प्रकाशन का वर्ष और देश तथा प्रकाशक का नाम, पता और राष्ट्रीयता
Year and country of first publication and name, address and nationality of the publisher : **2023 INDIA BIRLA INDUSTRIAL & TECHNOLOGICAL MUSEUM , 19A, GURUSADAY ROAD, KOLKATA-700019 INDIAN**
- बाद के प्रकाशनों के वर्ष और देश, यदि कोई हों, और प्रकाशकों के नाम, पते और राष्ट्रीयताएँ
Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers : **N.A.**
- कृति में प्रतिलिप्यधिकार सहित विभिन्न अधिकारों के स्वामियों के नाम, पते और राष्ट्रीयताएँ और समनुदेशित करने या अनुज्ञापति देने के लिए अधिकृत के अधिकार का विस्तार, यदि कोई हो।
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- अन्य व्यक्तियों के नाम, पते और राष्ट्रीयताएँ, यदि कोई हों, जो प्रतिलिप्यधिकार वाले अधिकारों को समनुदेशित करने या अनुज्ञापति देने के लिए अधिकृत हों
Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright : **N.A.**
- यदि कृति एक 'कलात्मक कृति' है, तो कृति पर अधिकार रखने वाले व्यक्ति का नाम, पता और राष्ट्रीयता सहित मूल कृति का स्थान। (एक वास्तुशिल्प कृति के मामले में कृति पूरी होने का वर्ष भी दिखाया जाना चाहिए)
If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown). : **N.A.**
- यदि कृति एक 'कलात्मक कृति' है जो किसी भी माल या सेवाओं के संबंध में उपयोग की जाती है या उपयोग किए जाने में सक्षम है, तो आवेदन में प्रतिलिप्यधिकार अधिनियम, 1957 की धारा 45 की उप-धारा (i) के प्रावधान के अनुसार व्यापार चिह्न रजिस्ट्रार से प्रमाणन शामिल होना चाहिए।
If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957. : **N.A.**
- यदि कृति एक 'कलात्मक कृति' है, तो क्या यह डिजाइन अधिनियम 2000 के अंतर्गत पंजीकृत है? यदि हाँ, तो विवरण दें।
If the work is an 'Artistic work', whether it is registered under the Designs Act 2000, if yes give details. : **N.A.**
- यदि कृति एक 'कलात्मक कृति' है, जो डिजाइन अधिनियम 2000 के तहत एक डिजाइन के रूप में पंजीकृत होने में सक्षम है, तो क्या यह औद्योगिक प्रक्रिया के माध्यम से किसी वस्तु पर प्रयुक्त की गई है और यदि हाँ, तो इसे कितनी बार पुनरुत्पादित किया गया है?
If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000, whether it has been applied to an article though an industrial process and ,if yes ,the number of times it is reproduced. : **N.A.**
- टिप्पणी, यदि कोई हो/Remarks, if any : **NONE**

डायरी संख्या/Diary Number: 9374/2024-CO/L

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(Signature)
रजिस्ट्रार ऑफ़ कॉपीराइट्स
Registrar of Copyrights

Vintage Voyage

Communication Technology

To communicate is an action. It is also a choice.

As a species, we've been keen to communicate. Our technologies have advanced parallel to the urge to tell our stories – louder, clearer and faster. Innovating, automating, improving and sometimes scraping it all to make way for better mechanisms – for better or for worse – the evolution of communicating devices is as alluring as the artefacts themselves.

As we graduated from **smoke signals** and **messenger pigeons** to **telephone** and **snapchats**, we built on the legacies of past advances. Hieroglyphs of yesteryears **TRANSMIT** information as efficiently as the emoticons today. Wired and wireless messages make their way around the globe today, much like the message that the first radio

BROADCAST. Closer home, communication innovations amplified our call for freedom and sealed the **SWADESH CONNECT**.

We longed to **TETHER** – but we learnt how to do it by remaining untethered.

Forms and functions changed. What remained is the indelible impact that each of these technological changes brought into our methods of information exchange. This vintage communication technology exposition is our attempt to show and tell how the past connects to our present and broadens the horizon leading to the future. Each exhibit here is a rare collective. Additionally, each is a functional piece that charted the evolution of communication technology – as we know it today.

Bon voyage!



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We think of our data being in the 'cloud',

but in reality it mostly travels around the world along **vast cables.**



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New and longer distance telegraph cables accelerated communication in the 19th century, speeding up the modern world.

This incredible feat of engineering paved the way for modern, instantaneous communication.



Dr. Anil
उन्नत की दृष्टि

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Wireless communication and broadcast technologies of today date back to the turn of the

20th century.

The use of radio transmission between ships and shore were not only a fashionable novelty but a genuine life-saver. With a generation of returning First World War servicemen-turned-radio hams popularizing the idea of radio broadcasting, radio came into its own.

When analogue communication took to the airwaves with the invention of wireless telegraphy, we learnt to go mobile.



BeSail :-
उन्नत की धड़ियाँ

Communication technologies that the **British pioneered** and propagated in India to reinforce **control** over their most prized colony, inadvertently **consolidated** and **connected** the sparse but strong calls for freedom that had began to echo in the pre-independence period.

Telegraphy and **radio** networks gave voice to **anti-colonial** sentiments and oppressions.

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Propagation of original **research** by Indian experimentalists provided homegrown solutions to problems yet to be figured out by the West. Access to **global** news, **local** developments and stirring speeches by charismatic **leaders** appealed to the masses and helped unite the diverse voices of dissent over the Indian subcontinent.

Communication technologies for **colonising** India ended up connecting her more deeply and widely. Acquired, adopted and adapted upon necessity, British tools for subjugation were destined to reward India with **Swaraj**.



An aspect of modern life most of us would struggle to live without is

instantaneous communication.

Until the late **19th century**, the quickest way to communicate was by **letter** - made faster with the advent of the railways – augmented with the arrival of the telegraph – and yet far from the gratification of **instant transmission** of speech, anywhere in the world.

From the first crackly telephone call to the 'smart' devices so many of us carry everywhere - one-to-one voice communication was slow to come but fundamental to change the way we interact.

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Swail
स्वातंत्र्य की संज्ञिका