



December 22, 2022

National Stock Exchange of India Limited

Exchange Plaza, C-1 Block G
Bandra Kurla Complex, Bandra (E)
Mumbai – 400051, India

Symbol: BHARTIARTL/ AIRTELPP

BSE Limited

Phiroze Jeejeebhoy Towers
Dalal Street, Mumbai – 400001, India

Scrip Code: 532454/ 890157

Sub: Press Release

Dear Sir/ Ma'am,

We are enclosing herewith a press release dated December 22, 2022 titled '*5G in Healthcare: Airtel, Apollo Hospitals, AWS carry out India's first 5G driven, Artificial Intelligence guided Colonoscopy trial*' issued by the Company.

Kindly take the same on record.

Thanking you,
Sincerely Yours,

For Bharti Airtel Limited

Rohit Krishan Puri
Dy. Company Secretary & Compliance Officer

Bharti Airtel Limited
(a Bharti Enterprise)

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CIN: L74899HR1995PLC095967



5G in Healthcare: Airtel, Apollo Hospitals, AWS carry out India's first 5G driven, Artificial Intelligence guided Colonoscopy trial

New Delhi, December 22, 2022: Bharti Airtel, India's premier communications solutions provider and Apollo Hospitals, Asia's foremost trusted integrated healthcare group today announced that they have carried out India's first 5G driven, Artificial Intelligence guided Colonoscopy trials.

The trial was conducted using AI on Airtel's 5G technology with ultra-low latency and high processing capabilities that resulted in detection of the colon cancer much faster and with greater accuracy. HealthNet Global, AWS and Avesha are the other three companies that collaborated in these trials.

As per current protocol, colon cancer is detected through colonoscopy procedure which is manual and requires great attention and time from medical practitioners for accurate detection. This procedure is performed using a device comprising a light, flexible tube with light, camera and tools at one end, which are used to extract samples to identify an infected polyp. Not only is the procedure long, its discomforting for patients and for the doctors and nurses who have to perform this procedure which takes around 30 to 40 minutes per case.

As a result of AI guided colonoscopy procedure the image processing happened in real time without any lag even when the physician moved the scope through the colon for it to be overlaid on top of the right element of the colon. The advent of this technology enables an "extra pair of eyes" for physicians and improves the detection rate of polyps, thus saving lives and vastly improving patient care.

The data was processed by Avesha edge inferencing applications on AWS platforms in real time which ensured analysis closer to the end points. AI assisted Colonoscopy Polyp Detection trial will help doctors to improve quality of patient care, improve accuracy of detection rates by capturing information correctly and reducing errors.

5G, Edge computing and Artificial Intelligence can significantly improve patient outcomes by assisting in proper and timely diagnoses. Colonoscopy procedures for early detection and prevention of cancers is being advised for all men and women above 45 years of age. In India, where the target population is large in terms of numbers, solutions built on 5G and AI are key to assist doctors to bring quality care to the maximum population.

Speaking about the trial, Ajay Chitkara, CEO and Director, Airtel Business said "Ultra-fast, low latency 5G networks will transform the Healthcare sector in the country. At Airtel, we are geared up to lead this transformation and have demonstrated this by conducting India's first colonoscopy trials. Healthcare is one of the most promising use cases for 5G, and we are delighted to collaborate Apollo Hospitals, AWS, HealthNet Global and Avesha. This is just the beginning, and I am certain we will bring many more innovative use cases that will help redefine healthcare in the country."

"By augmenting doctor's ability to detect, AI has been proved to improve physician's accuracy. Early detection and removal of polyps can easily avoid them becoming cancerous. Apollo has always been a fore runner in adoption of technology. Our patient centric approach keeps us on an outlook for



technologies which can make outcomes better.” said **Dr. Sangita Reddy, Joint Managing Director, Apollo Hospitals Group.**

Vaishali Kasture, Head - Enterprise, Mid-Market & Global Businesses, India & South Asia – AWS India (Amazon Web Services India P Ltd) said “5G and edge technologies offer high speed and real-time data analysis that can help transform the delivery of healthcare. AI inference provides better insight and information to healthcare professionals to predict, diagnose, and treat patients more effectively. We are delighted to collaborate with Airtel and Apollo hospitals to bring AI-powered solutions with an aim to improve patient experience and healthcare service quality.”

About Bharti Airtel: Headquartered in India, Airtel is a global communications solutions provider with over 500 Mn customers in 17 countries across South Asia and Africa. The company ranks amongst the top three mobile operators globally and its networks cover over two billion people. Airtel is India’s largest integrated communications solutions provider and the second largest mobile operator in Africa. Airtel’s retail portfolio includes high speed 4G/5G mobile broadband, Airtel Xstream Fiber that promises speeds up to 1 Gbps with convergence across linear and on-demand entertainment, streaming services spanning music and video, digital payments and financial services. For enterprise customers, Airtel offers a gamut of solutions that includes secure connectivity, cloud and data centre services, cyber security, IoT, Ad Tech and CPaaS (Airtel IQ). For more details visit www.airtel.com

About Apollo Hospitals: Apollo revolutionized healthcare when Dr Prathap Reddy opened our first hospital in Chennai in 1983. Today Apollo is the world’s largest vertically integrated healthcare platform serving over 200 million patients through 10,000 beds across 71 hospitals, 5,000 pharmacies and over 400 clinics and diagnostic centers as well as 150 telemedicine centers. It is the world’s leading cardiac center with over 160,000 surgeries and the world’s largest private cancer care provider. Apollo continues to invest in research to bring the most cutting-edge technologies, equipment and treatment protocols to ensure our patients have the best available care in the world. Our 100,000 employees are dedicated to bringing you the best care on earth and leaving the world better than we found it.