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Press Release- Online Lecture Series: Quantum Computing for Beginners

Khwarizmi Science Society (KSS) is a non-profit organization founded in 1997. It aims at furthering the science culture in Pakistan's educational institutions as well as to the general public.

In Pakistan, every year a large number of intermediate and university students flock towards the study of science related subjects in the pursuit of a career with bright prospects. But while the numbers of engineers, doctors, and physical science students in Pakistan continue to rise, very few Pakistanis have been able to contribute in and shape the recent global science advancements. The reason behind this is the huge gap between the present education system of Pakistan and the emerging science trends in the rest of the world. Until recently, the long obsolete floppy disks were taught as one of the latest storage devices to matriculation students of computer science!

In attempts to ensure that Pakistani students are abreast with the rest of the technological world, Khwarizmi Science Society has initiated an online lecture series to introduce the youngsters of Pakistan (particularly the intermediate students) to the emerging research areas of STEM and life sciences. The first of these series, 'Quantum Computing for Beginners: An Online Lecture Series', aims to provide an insight into the world of quantum computing. The leap offered by these powerful computers is labelled as one of the most exciting phenomena of our times by scientists from all over the world.

The beginner lecture series by KSS will not only introduce students to the fundamentals of quantum computing but will also stimulate within them the motivation to further learn about this field. The contents of the lectures have been carefully curated to ensure that students without a formal background in quantum physics can also comprehensively understand the core concepts of quantum computing. To ensure that the series is accessible to everyone, the eight lecture sessions, starting from 12th December 2020, will be conducted exclusively online every Saturday and Sunday afternoon at a minimal enrolment fee. The lectures will be delivered by Prof Dr Muhammad Sabieh Anwar, a DPhil in Quantum Computing from the University of Oxford (2005), Professor of Physics at LUMS, Dean of the LUMS School of Science and Engineering, and the General Secretary of the Khwarizmi Science Society (KSS).

The Khwarizmi Science Society (KSS) since its inception in 1997 has been dedicated to communicating the wonders of science to everyone in Pakistan. Since 2017, KSS has been annually organising the Lahore Science *Mela*, a free-of-cost public science festival that emulates the essence of a live science museum. The *Melas*, having attracted thousands of people to date, have allowed the laypersons of Lahore to exhibit, interact with, and learn from science. In the Lahore Science *Mela* 2019, KSS presented its visitors with an opportunity to experience the Large Hadron Collider Tunnel (the largest and most expensive physics experiment) and virtually tour



CERN (the world's largest physics laboratory). In 2009, KSS celebrated the International Year of Astronomy through its series of *Falkiati Melas* (Astronomy Fests). In the *Falkiati Melas*, KSS took powerful telescopes to even the most remote local schools of Pakistan, allowing everyone to observe the celestial world completely free of cost and stirring within the common people a deep fascination regarding astronomy. The recently launched lecture series by KSS is another of the humble attempts by the society to bring a science educational reform in Pakistan.

As KSS opens registration for its online lecture series on quantum computing, it has high hopes that through these series, young students will not only broaden their understanding of the exciting realms of quantum physics, but also foster an ambition within themselves to aim higher and as a Pakistani, play an instrumental role in tomorrow's science advancements of the world.

Our team requests your esteemed channel to cover the Quantum Computing for Beginners: An Online Lecture Series. It will be of great help to spread the message behind the cause.

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Details of the Quantum Computing for Beginners (An Online Lecture Series):

Registration Link: bit.ly/KSSQuantumComputing

Date: Lectures start on December 12, 2020

Venue: Online

Time: 2 pm to 3 pm every Saturday and Sunday.