

## **BIOGRAPHY:**

*Dr. Samar Mubarakmand, N.I, H.I, S.I* joined Govt. College Lahore and obtained Masters in Physics with academic roll of honour in 1962. After joining PAEC in 1962, Dr. Samar Mubarakmand proceeded to Oxford University where he was awarded D.Phil in Experimental Nuclear Physics in 1966.

As a pioneer of Fibre Optic Technology in Pakistan, Dr. Samar introduced the technique of interference free data transmission through optical fibres and was awarded the prestigious civil award of the *Sitara-i-Imtiaz in 1992*. As member (Technical) PAEC Dr. Samar was chosen by the Prime Minister of Pakistan to be the Team Leader of Scientists / Engineers to conduct nuclear tests for Pakistan. All the six tests were successfully conducted on 28<sup>TH</sup> and 30<sup>TH</sup> May. 1998. He was awarded the prestigious award of the *Hilal-e- Imtiaz in 1998*.

In 2001, when when NESCOM was established, Dr. Samar was appointed as its Founding Chairman. As Chairman NESCOM he was responsible for the conception, design and execution of the indigenous programme of surface to surface, solid fuel, SHAHEEN Missile System. In 2005 Shaheen II and Baber Cruise Missiles were also launched. He was awarded the highest civil award of the *Nishan-I-Imtiaz in 2003*.

Dr. Samar joined Planning Commission, Govt. of Pakistan as Member (Science & Technology), Islamabad on 16-12-2008 and has recently conceived the Project of “*Underground Coal Gasification (UCG)*” at Thar and he is heading the Board of Governors for the project implementation.

## **Topic:**

Energy Deficit – A way forward