



**Online Mode**

# National Science Day Week


**21-28**


**Feb  
2022**

**Public Talks of the Day**



## 21 February 2022 – Monday

|                          |   |   |
|--------------------------|---|---|
| <b>Time</b>              | 5PM - 6 PM; 21 February 2022  |   |
| <b>Title</b>             | <b>Dr Homi Jehangir Bhabha: a legend lives on</b>   |   |
| <b>Speaker</b>           | <b>Dr P R Vasudeva Rao</b>  |   |
| <b>Abstract</b>          | Dr. Homi Bhabha was one of the legendary scientists of India. He was a brilliant researcher and a great visionary. He could foresee the science and technology challenges for the country and the need for nuclear energy as a sustainable clean energy resource. He was a great institution builder who laid a firm foundation for developing nuclear science and technology in India by initiating a comprehensive set of programs on building reactors and fuel cycle facilities supported by research in various domains. This talk will illustrate his contributions and achievements that serve as a great source of inspiration for the Indian science community |   |
| <b>About the Speaker</b> | <ul style="list-style-type: none"> <li>• Vice Chancellor, Homi Bhabha National Institute Mumbai</li> <li>• Former Director, Indira Gandhi Centre for Atomic Research (IGCAR)</li> <li>• Renowned Nuclear Scientist</li> </ul>   |  |

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|--------------------------|--|---|
| <b>Time</b>              | 3.30 PM – 4.30 PM; 21 February 2022  |   |
| <b>Title</b>             | <b>The 120 years of Quantum Physics</b>  |   |
| <b>Speaker</b>           | <b>Dr S V Suryanarayana</b>  |   |
| <b>Abstract</b>          | Quantum Physics (QP) from Plank's equation discovered in 1900 to all important developments over the last 120 years will be covered in this talk. Quantum physics applications to different fields showed phenomenal success in predictions and explaining experimental results. Quantum Field Theories (QFT) became indispensable tools to understand many secrets of nature and the concept of unification of forces. Presently, quantum theory remains a fundamental theory in understanding both microscopic and macroscopic worlds. The discussions will be at the popular level by avoiding complex equations and technical aspects. |   |
| <b>About the Speaker</b> | <ul style="list-style-type: none"> <li>• Retired as a senior nuclear scientist from BARC, Mumbai.</li> <li>• Consultant Professor at MCNS, MAHE, Manipal.</li> </ul>   |  |