

# Prof. S.K. Joshi Laboratory Excellence Award

September 22, 2021

**In news**– Recently, the **Quality Council of India (QCI)** launched the Prof. S.K. Joshi Laboratory Excellence Award virtually.

## **Prof. S.K. Joshi Laboratory Excellence Award-**

- The goal of this award is to **locate India's best labs and to demonstrate to the rest of the world that our labs have the highest standards in the world.**
- This is **the country's first-of-its-kind Laboratory Excellence Award.**
- This Award has been instituted to **promote Laboratory Quality and performance improvement in the country.**
- This award will be **open to all currently operational Laboratories pertaining to** Testing, Calibration & Medical including their Proficiency Testing Providers & Reference Material Producers located in India.
- **There are three Trophies (Gold, Silver, Bronze)** in each category of Laboratory (Testing, Medical and Calibration) accompanied with a cash award.
- **The 5 stages of assessment by Technical Expert Committee (TEC)** are Application Document Evaluation, Physical/Virtual Presentation, Site Assessment/Verification, Reference check and Jury evaluation.

## **About Prof. S.K. Joshi-**

- Prof. S.K Joshi was an excellent science communicator and leader who inspired a new generation of scientists and researchers to help India achieve worldwide success.
- He studied at the Allahabad University and did his Ph.D. in Physics from there in 1962.

- **His broad field of research interest is Condensed Matter Theory.**
- His experimental work during his PhD and his experience in US, got him seriously interested in **theoretical studies of lattice vibrations i.e. phonons in metals and insulators.**
- He was one of the pioneers to understand **the lattice dynamics of d-electron metals (e.g. copper and nickel) using a non-interacting s and d bands model.**
- He **investigated the electronic band structure using the Korringa-Kohn-Rostoker method.**
- **He was one of the rarest Indian scientists who contributed a Chapter in Solid State Physics, published by Academic Press in 1968 on Lattice Dynamic of Metals,** and other contributors in this book include Charles Kittel.
- He was **Professor of Physics at the University of Roorkee (Now IIT, Roorkee)** from 1967 till 1986.
- He was the **Director of National Physical Laboratory from 1986-1991.**
- He held the position of the **Director General CSIR from 1991 till 1995.**
- He was **elected Fellow of the Indian National Science Academy in 1974.**
- He was felicitated with Padma Bhushan, Padma Shri, CV Raman Medal of INSA and several other prestigious awards.