



# Popular Science Lecture on

## Technology Development, case study of Tele-ECG



*Organized by*  
**Indian Women Scientist Association**  
Vashi, Navi Mumbai

*In Association with*  
**Department of Physics**  
Rayat Shikshan Sanstha's,  
**Karmaveer Bhaurao Patil College**  
Vashi, Navi Mumbai.

**Under DBT-STAR Status.**



**Dr. Vineet Sinha**  
Scientific Officer,  
(Electronics Division)  
BARC, Mumbai.

Shri Vineet Sinha graduated from M. S. Ramaiah College of Engineering, Bangalore in 1998 in Electronics & Communication and joined BARC in 2000. Since then he has been working for the development of Biomedical Instruments. He has carried out the following developments in last 20 years: -

- Medical Analyzer
- Cardiac Output Monitor
- Holter Monitor
- Saturation Percentage Of Oxygen (SPO2)
- Non-Invasive Blood Pressure Monitor
- Beat-to-Beat Blood Pressure Monitor
- Tele-Distress Alarm Device – “NIRBHAYA”
- Peripheral Pulse Analyzer (PPA)
- 12-Channel Handheld Tele-ECG on Mobile Phone
- Tele-Spirometer

Many of these technologies are being commercially produced by several industries. He is presently working on development of Deep Brain Stimulator (DBS), an implantable device for the patients suffering from Parkinson's disease.

He is a member of Biomedical Society of India and is recipient of Group Achievement Award under Excellence in Science, Engineering and Technology Awards scheme from Department of Atomic Energy for Development of Bio-medical Instruments.

**16 January, 2021 at 11.00 am. ( Session will be held through Google Meet).**

**Registration Link :** <https://forms.gle/r8tdaG4FKYdbCLKg8>

**Google Meet Link :** [meet.google.com/vbr-ubfz-dew](https://meet.google.com/vbr-ubfz-dew)

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### ***Abstract –***

Development of a technology is a multiple step activity and requires effort and time. It becomes even more tedious and expensive if right approach is not taken from the beginning. In this talk I would highlight the approach of a technology developer that leads to the development of a successful technology. A case study of Tele-ECG has been taken up to explain the multiple stages of technology development.