



# V RAJ KIRAN

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## EDUCATION

### INDIAN INSTITUTE OF TECHNOLOGY

Chennai, Tamil Nadu

Doctor of Philosophy (2023)

Graduated from Electrical Engineering department with a specialization in Instrumentation, CGPA – 9.6. Developed an portable ultrafast ultrasound technology to measure key vascular ageing markers- arterial geometry, central BP, local and regional stiffness and incremental PWV.

### NATIONAL INSTITUTE OF TECHNOLOGY

Agartala, Tripura

Master of technology (2015)

Graduated from Electrical Engineering department with a specialization in Instrumentation, CGPA – 9.14. Worked on non-contact vibration and flow monitoring system for nuclear plant applications.

### NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY

Berhampur, Odisha

Bachelor of technology (2012)

Graduated from Electrical and Instrumentation Engineering department, CGPA – 8.02. I have developed an interactive SCADA interface for turbine monitoring systems, as part of project.

## RESEARCH INTERESTS

Major areas of interest include sensor development, instrumentation, signal processing, cardiovascular biomechanics, and biomedical engineering. My vision is to contribute towards indigenous, affordable healthcare technologies and to encourage education that is seasoned with skill building and innovation.

## RESEARCH ACHIEVEMENTS

### SCIENTIFIC PUBLICATIONS

**15** High-impact factor Journals  
**60+** Peer-reviewed conference papers

### PATENTS FILED

**32** patents filed (8 granted)

### PROJECTS HANDLED

**2** end-to-end products  
Multiple inhouse & collaborative works with AIIMS Delhi, Radboud MC etc.

## ABOUT ME

I am passionate about research, technology development, and teaching, with a special inclination towards biomedical instrumentation and signal processing.

## PERSONAL DETAILS

Date of birth  
27<sup>th</sup> Nov, 1990

Nationality  
Indian

Martial status  
Married

## STRENGTHS

Commitment  
Fast learning ability  
Time management  
Analytical  
Communication

## HOBBIES

Playing Guitar, Painting and Crafting.