

Vignesh R

Nano-technologist

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EDUCATION

M.Tech Nano science and Technology Pondicherry university/ Central

08/2019 - 07/2021

Pondicherry

Project

- Literature survey (Enhancing the protonic conductivity of perovskite materials for low temperature solid oxide fuel cell).

B.Tech Nano science and Technology K.S.Rangasamy college of technology

08/2014 - 04/2018

Tiruchengode, Tamil Nadu

Project

- Synthesis and characterization of Titanium dioxide Nano particles using plant root extract for anti-cancer (A549) activity.

WORK EXPERIENCE

Project Associate I Indian Institute of Science (CeNSE)

04/2023 - Present

Bangalore, India

Project

- Micro cantilever based gas sensor.

Project Fellow I CMTI (Central Manufacturing Technology Institute)

08/2022 - 04/2023

Bangalore, India

Trainee

CMTI (Central Manufacturing Technology Institute)

08/2021 - 07/2022

Bangalore, India

Project

- 3D printing of Micro architecture batteries using micro projection stereo lithography technique.
- Review on surface modification of micro-electrode array for extracellular recording of the neural interface system (Published in MTT journal).

Research Assistant Xcellogen Biotech India Pvt Ltd

12/2018 - 06/2019

Tamil Nadu, India

SKILLS

X-Ray diffraction analysis (XRD)

Laser Doppler Vibrometer for Resonant Frequency Measurement.

Magnetron Sputter Deposition

Leica Optical Microscope

Atomic Force Microscopy(Learner)

Micro Projection Stereo lithography

Ball Milling

NPTEL COURSES

Introduction to research

Health research fundamentals

CERTIFICATES

Participated in 104 Indian science congress national level conference held in Sri Venkateshwara University, Tirupathi (01/2017 - 01/2017)

Participated in an international conference on Nanomaterials and Nanotechnology organized by CNST, K.S Ragasamy College of Technology (12/2015 - 12/2015)

LANGUAGES

English

Professional Working Proficiency

AREA OF INTERESTS

MEMS AND NEMS

Surface Engineering

Additive Manufacturing (3D printing batteries)

Brain-Computer Interface