

Curriculum vitae

PERSONAL INFORMATION



Tushar Pandit

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Sex Male | Date of birth 31/07/1992 | Nationality Indian

OBJECTIVE To pursue research oriented career in an esteemed organization and I intend to bring out possible blend of theoretical and practical knowledge in real life situations.

EDUCATION

2013–2015 **Master of Science (Physics)** Savitribai Phule Pune University, Pune (India)

Aggregate score of 68% (CGPA – 4.850 out of 6).

2010–2013 **Bachelor of Science (Physics)** Savitribai Phule Pune University, Pune (India)

Aggregate score of 78.75% with distinction.

WORK EXPERIENCE

08/10/2018–06/04/2019 **Research Fellow**

Centre for Material for Electronics Technology, Pune (India)

02/06/2018–30/09/2018 **Project Assistant**

Savitribai Phule Pune University, Pune (India)

Entitled: Investigation of Spin coated Metal Nanoparticles by Total X-ray fluorescence (TXRF) measurements.

Responsibilities: Synthesis nickel nano particles by using spin coating and by Silar method followed by Cyclic Voltammetry measurements.

08/12/2016–06/12/2017 **Project Staff**

Centre for Material for Electronics Technology, Pune (India)

Entitled: Development of Low Temperature Co-fired Ceramics (LTCC) Materials for General Purpose Application.

Responsibilities: Assigned work in the area of electronics materials as well as fabrication of LTCC circuits. I learned LTCC fabrication process and handled the LTCC fabrication equipment such as screen printing, green tape stacker, iso-static lamination, cutter, sintering furnace etc. Involved in the LTCC circuit and sensor fabrication. Also I learned the paste making techniques, and was involved in the preparing test samples of resistors, followed by

detailed inspection and resistance measurements using optical microscope, and various dc electrical instruments.

01/06/2015–31/10/2016 **Teaching Assistant**

Palnitkar's Academy, Pune (India)

Taught Physics course to 11th and 12th standard students.

Responsibilities: Conducted sessions for grades XI and XII, Made notes, other required course materials, etc., to help students with all sorts of reference materials for exams, Conducted regular class tests and supervise the term end examinations, Evaluated test papers and provided the required feedback to students etc.

05/08/2014–31/05/2015 **Master's Project (Student)**

National Chemical Laboratory (NCL), Pune (India)

Entitled: Study of characterization, deposition and fabrication of Dye Sensitized Solar Cell and Perovskite Solar Cell.

25/05/2014–15/07/2014 **Research Intern**

National Chemical Laboratory (NCL), Pune (India)

Entitled: Parameterization and Simulation of Polymers by using Molecular Dynamics Simulations.

ADDITIONAL
INFORMATION

Computer Skills

- 1) Proficient knowledge of MS Word, Excel, PowerPoint.
- 2) Proficient knowledge of Origin and Chem Draw Software.

Honours and awards

- 1) CV Raman Fellowship Award in Physics.
- 2) 3rd Prize in PG Physics Seminar Competition by Indian Physics Association Pune Chapter.

Conferences

- 1) Indo-Japan Workshop on sensing mechanisms, materials and applications organized by C-MET, Pune-08, India-2015.
- 2) Raman Memorial Conference 2015 held at Savitribai Phule Pune University.
- 3) International Conference on Advanced Rechargeable Batteries & allied Materials (ICARBM) 2017 organized by Center for Material for Electronics Technology, Pune held at Indian Institute of Science, Education and Research (IISER), Pune- 08.

Presentations

- 1) Poster presented entitled Gamma ray spectroscopy technique for estimation of adulteration in milk in National Conference-2014.
- 2) Power Point Presentation entitled Mass absorption coefficient of gamma radiations for Al, Cu, Pb and Plastic (LDPE) materials in state level seminar- 2015.