

Curriculum vitae of Mantu Kumar Pandit, M.Sc. Physics

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Objective

Looking for a challenging and responsible opportunity, will give the best results where, I can use my skills to meet the requirement of an organization.

Academic Record

Course	Board/University	Year of Passing	Class	Percentage/CGPA
M.Sc.(Physics)	Sandip University, Nashik	2018	First	83.40
B.Sc.(Physics)	S.P.P.University,Pune	2015	Second	52.25
HSC	BSEB, Patna	2011	First	62.00
SSC	BSEB, Patna	2009	Second	55.00

PG Project

Title: Synthesis of TiO₂/Zeolite Thin Film Using Spin Coating Technique

- Literature survey and selection of method/materials
- Study of spin coating technique
- Preparation of solution and sample
- Optimization of parameters viz. viscosity, rpm and deposition time
- Synthesis of TiO₂ and TiO₂/Zeolite thin film
- Study of structural, optical and surface morphological properties Of TiO₂ & TiO₂/Zeolite films, Using XRD, SEM, TEM, EDAX, UV-Vis Spectroscopy
- Future scope: Applications of (TiO₂/Zeolite) thin film in the field air purification, water purification, and photocatalysis and agro industries

UG Project

Title: Bidirectional Photoelectric System

- This system counts the people who enter or exit various places
- In this system used LDR detector, it is light dependent resistor
- Using IC 4093 quad 2 input NAND gate, IC 40193 Dual Clock with Reset

Skills

Technical Skills

- Thin film deposition & complementary instruments handled: Spin coating, Dip coating, SILAR, CBD, Ultrasonication bath, Muffle furnace, Double distillation

Software Skills

- Origin pro, Pythan, Vesta, Scilab, ImageJ, C++, Robot assembling & Programming (arduino kit)

Workshop/Conferences/Symposia (attended/presented)

- Micro and Nanotechnology for Environmental sensing (attended UKIERI on 06 Jan 2018 IIT Bombay)
- Electronic toys making & introduction to Robots(as Volunteer on 5th to 10th may 2016 in HPT Arts & RYK Science Collage, Nashik)
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Extra-Curricular Activities

- NSS(During2013-14 to 2014-15)
- Arpan blood camp(in 2015 HPT arts & RYK Science collage, Nashik)
- 1st Open kungfu district level championship 2015(Bronze medal)

Hobbies

- Chess, Basket balls, Cooking

Personal Details

Name : Mantu Kumar Pandit

Date of Birth : 02nd Feb 1994

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Gender : Male

Marital status : Unmarried

Language : Marathi, Hindi, English

Permanent Address : M.H. B. Colony Satput Opposite to Jija Mata Shala H. No.
. 642, Satpur, Nashik, 42200

Declaration:-

I hereby declare that the above mentioned information is true is to the best of my knowledge.

Place:-Nashik

Date:-

Mantu Kumar Pandit