**Tanushree M K**

**Email id:**tkerudi@gmail.com

**Contact no: 9964451760**

**Objectives:** 

To work with an organization where there is a scope for knowledge enhancement which will provide an opportunity to exhibit the best of my ability and contribute towards organizational development.

**Work Experience:**

 **Institution** : Bapuji Institute of Engineering and Technology, Davangere.

 **Designation** : Assistant Professor

 **Duration** : Sept 2024 - Present

 **Institution** : BYJU’S, Bengaluru.

 **Designation** : Academic specialist (Tutoring)

 **Duration** : Sept 2021 – April 2024

**Educational Qualification:**

| **Course** | **Institution** | **Year of passing** | **Board/ University** | **Percentage of Marks** |
| --- | --- | --- | --- | --- |
| PhD  | Sri Siddhartha academy of higher education, Tumakuru. | Pursuing | Siddhartha University | - |
| B.Ed. | St. Mary’s college of Education, Chitradurga. | 2023 | Davangere university | 8.00 (CGPA) |
| M.Sc. Physics | Jain University, Bengaluru | 2020 | Deemed to-be university | 8.3147 (CGPA) |
| B.Sc. | DVS College of Arts and Science, Shivamogga | 2018 | Kuvempu university | 86.28% |
| PUC | Sir MV PU College | 2015 | PU Board | 94.5% |
| SSLC | St.Paul’s Convent School Davanagere | 2013 | KSEEB | 94.56% |

**Achievements:**

1. CTET qualified 2023
2. KTET qualified 2023
3. Secured Third rank in M.Sc. Physics at Jain University.

**Area of interest:**

* Nanotechnology
* Material Science
* Biophysics

**Projects:**

 **M.Sc. Project:**

**Title: “Study of band structure and Magnetic properties of Heusler Alloys, TiMnFeIn and TiVCrSn**”.

* To learn the ab-initio Linear Muffin-Tin Orbital method in the Atomic Sphere Approximation (LMTO-ASA) to study the band structure of materials.
* Using LMTO-ASA method, the band structure and density of states of two Quaternary Heusler Alloys, namely TiMnFeIn and TiVCrSn.

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**Internship:**

SRFP fellowship at JNCASR, Bengaluru.

* The electronic band structure of different forms of Graphene is studied and the crystal structure is studied considering various e- hopping among the layers.
* The tight binding parameters that are obtained by experimental results are tabulated considering the model Hamiltonian.
* Our aim here was to calculate the Berry phase around the valleys of the Brillouin zone as described in their respective band structures.

**Conference:**

* Oral presentation at National Conference on Science and Technology organized by Rural development organized by Institute of Excellence and Centre for Material Science and Technology and University of Mysore and Indian Science Congress Association.
* Participated in 107 Indian Science Congress 2020 GKVK University of Agriculture, Bengaluru.

**Workshop attended:**

* Attended Science Academies’ lecture Workshop on ‘Physics of Materials’ organized by REVA University, Bengaluru.

**Personal Details:**

**Name :** Tanushree M K

**Father’s Name :** Mahantesh K S

**Permanent Address :** #1672/34 Saraswathi Nagar, Davangere-04

**Languages Known :** Kannada, English, and Hindi.

**Declaration:**

 I, Tanushree M K, do hereby confirm that the information given about is true to the best of my knowledge.

**Place:** Davanagere

**Date:**  04/07/2024

**(Tanushree M K)**