

SRUTHI JOSEPH

Kuriyas parappurathu, Edavachal Pantha P.O

Thiruvananthapuram, Kerala

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Personal Profile

A Post graduate in Physics, highly interested in the teaching profession currently doing Bachelor of Education (B.Ed) with student teaching experience. Have gained good lab exposure and a solid grasp of the necessary instruments. Attended a number of online seminars and classes.

Courses; Education

Mahatma Gandhi University Kottayam

2021-2023

CPAS College of teacher education, Amaravathy, Kumily, Idukki

Bachelor of Education (B.Ed)

CGPA: 9.8 out of 10 (Average of first three semesters)

Register No: 213240111693

Mahatma Gandhi University Kottayam

2019-2021

St. Berchmans College, Changanacherry (Autonomous)

MSc in Physics

CGPA: 3.4 out of 5

Register No: 21901046

Mahatma Gandhi University Kottayam

Assumption College, Changanacherry

BSc in Physics

CGPA: 8.73 out of 10

Register No: 16010640

2016 - 2019

The Institute of Cost Accountants of India

Nov, 2018

Certificate in Accounting Technician

Register No: 217023

Govt. HSS Kulathummal School, Kattakkada Trivandrum

2016

Higher Secondary – Kerala Board

Percentage: 91 %

Register No: 3011785

St. Thomas HSS Amboori

2014

High School- State Board

Pass out with 9A+ & 1 A grade

Register No: 553550

Teaching Experience

- **Student-teacher: Govt. HSS Amaravathy, Kumily, Idukki**
 - Conducted classes through presentations, demonstrations, and by labs for students.

- Encouraged students in participating YIP (youth innovation programme) by helping them in presenting their projects. Conducted Science Club Activities in school
- Provide personalized assistance to each student by giving them assignments and Evaluate students knowledge and skills via tests and homework.
- Involved in the preparation and implementation of lesson plans with the lead teacher and Engaged in parent-teacher conferences and communication with parents to update them on their child's progress.

University Projects

MSc Project- St. Berchmans College Changanacherry

- **Title:** A study on dust ion-acoustic (DIA) solitary waves in a dusty plasma
- Under the guidance of **Dr. Sijo Sebastian**, Asst. Professor, Department of Physics, SB College Changanacherry
- Study investigated the DIA in a multi-component dusty plasma. The non-linear Schrodinger equation was derived from the KdV equation for dust ion acoustic solitary waves and using the various parameters the wave is analysed.
- **Technical Skills:** knowledge in Matlab software, and C++.
- **Soft Skills:** Presentation skills, Report writing.

BSc Project- Assumption College, Changanacherry

- **Title:** Finding the energy gap of Ge using by using four probe method

Skills

- Good communication and interactive skill with students, parents and teachers.
- Willing to take difficult tasks and do the best to succeed
- Continuous learning, teamwork, preparing presentations.
- Knowledge in Matlab, C++

Achievements

- Qualified KTET category 2&3 in 2022
- Qualified Additional Skill Acquisition Programme (ASAP) course
- Qualified Kerala Hindi Prachar Sabha Exam (Pradhama and Sugama)

Attended Webinars

- National Webinar on fundamental concepts of thermodynamics in physics organised by Sri Vani Degree and PG College Andhra Pradesh, **2020**
- National Seminar on “What can we do with a quantum liquid” by Prof. Anthony James Leggett, Nobel Laureate in Physics, October **2020**
- Web seminar on Cavity Quantum Electrodynamics by Dr. Sonjoy Majumder Prof. Dept. of Physics, IIT Kharagpur, **July 2020**
- Web seminar on nano scale current rectifiers by Dr. Vinitha Balachandran, SUTD Singapore, **August 2020**
- Participated in the web quiz in physics by A.V.V.M Sri Pushpam College Thanjavur, **July 2020**
- Webinar on astronomy and astrophysics organised by department of physics Mar Ivannios College, Thiruvananthapuram, **July 2020**

Languages

English Professional proficiency
Malayalam Native proficiency
Hindi

References

- **Dr. Joshy Jose**, Asst Prof. Department of Physics, SB College Changanacherry Email ID: joshyjosek@gmail.com
PhNo: 9446694940
- **Aswathy P.R**, Asst Professor, CPAS College of Teacher Education, Kumily, Idukki Email ID: achurajan13@gmail.com
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