HARITHA K

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6379188898
1/732f Opposite to Sowmiya hospital, Karamadai, Coimbatore, Tamilnadu. 641104.



OBJECTIVE

Physics Graduate and Robotics Trainer with expertise in STEM education, seeking to inspire students in both Physics and Robotics. Skilled in delivering engaging lessons aligned with IB and Cambridge curriculums.

EXPERIENCE

Currently working -

Robotics Trainer
The Indian Public School - Bangalore campus
Specialized in Arduino, Micro:bit, ESP32, Tinkercad simulations, Python, and introductory AI Python programs.
Conducted engaging sessions for Primary Years Programme (PYP), Middle School (MS), and High School (HS) students.
Delivered curriculum-based lessons aligned with IB and Cambridge standards.

EDUCATION

2023

Master's Degree in Physics
Karunya Institute of Technology and Science
CGPA: 9.55/10

2021

Bachelor's Degree in Physics
Gandhigram Rural Institute - Deemed University
CGPA: 9.04/10

2018

Secondary education
Vijayalakshmi Matric Hr Sec School
90%

2016

Primary Education
Vijayalakshmi Matric Hr Sec School
98%

SKILLS

Experienced in IB and Cambridge curriculum teaching (PYP to HS).

Strong communication and classroom management skills.

Application-focused and engaging teaching methods.

Quick Learner with a Willingness to Grow and Update.

ACTIVE PARTICIPATION

Actively participated in inter-school robotics competitions and won trophies.

Guided students through experiments and clarified doubts.

Collaborated in developing engaging teaching materials.

Led outreach programs for local schools, demonstrating practical instruments.

Presented seminars on various Physics topics.

ACHIEVEMENTS & AWARDS

RANK HOLDER in M.Sc Physics with a CGPA of 9.55/10.

Received a Merit Certificate for Outstanding Academic Performance.

PROJECTS

Hybrid Agarose/Chitosan/Graphene Oxide/Nanocomposite Integrated with Green Synthesized Silver Nanoparticles for Bio-Medical Application
Led a multifaceted research project resulting in biodegradable nanocomposite films with potential biomedical applications.
Developed expertise in nanomaterial synthesis, characterization, and their applications.

Aluminium Air Battery
Demonstrated battery model and explained its working and potential uses.
Emphasized the energy density advantage over lithium-ion batteries.

Copper Sulphate Crystal Growth
Synthesized crystals and characterized their properties.

CERTIFICATE COURSES

Soft Skills Development - NPTEL (80% score)

Python for Everybody - Coursera (98% score)

Global Navigation Satellite System and Location-Based Services - ISRO

ACTIVITIES

Conference Participant - "Norwegian International Online Conference on Functional Materials for Energy, Environment, and Biomedical Application"

Workshop Attendee - "SEPA-Advance Solar PV Technologies"

Webinar - "Where Can I Patent My Idea? What Makes an Idea Patentable?"

PERSONAL DETAILS

Date of Birth	:	10/04/2001
Gender	:	Female
Languages known	:	English, Tamil