

K N Suhas

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Education

2020 Bangalore, India	MSc Physics <i>Jain University, School of Sciences</i> GATE 2022 Physics qualified
2018 Bangalore, India	BSc Physics, Chemistry, Mathematics <i>Bangalore University, The National College</i> Inter college physics seminar (second place)

Projects

2019 – 2020	Rheotron accelerator <i>An innovative, proposed octagon loop trajectory and oscillation path of electron beam through particle accelerator - an economic and tabletop model of the Rheotron accelerator</i> Designed and built an economic table-top electron accelerator as final project during post-graduation under the guidance of Dr. S. Thiagaraj
2018	Detection of radio waves using horn antenna Built a horn antenna for a senior's project in astrophysics with collaboration from Raman Research Institute, Bangalore under the guidance of Dr. N. Shanthi
2018	Hubble's law <i>A project on verifying Hubble's law for the expansion of universe</i> Analyzed SDSS spectrographs of galaxies to obtain the Hubble's constant and hence verify the Hubble's law and submitted it to National Centre for Radio Astrophysics - Tata Institute of Fundamental Research, Pune under the guidance of Dr. Y. C. Kamala
2015	Stirling Engine Designed and built a working model of Stirling Engine and gave a seminar on thermodynamics and Stirling Engine in Jnanodaya College, Bangalore

Conferences/Workshops attended

2019 Bangalore, India	Vigyan Samagam <i>Multi-venue Mega-Science Exhibition</i> Was an outreach spokesperson for LIGO-India during the mega science exhibition in Visvesvaraya Industrial and Technological Museum, Bangalore
2019 Bangalore, India	Scientific data analysis <i>Using Origin pro and Mathematica</i> UGC sponsored workshop in National College-Jayanagar, Bangalore
2019 Bangalore, India	Functional Biomaterials Seminar workshop, Jain University, Bangalore
2018 Bangalore, India	Black body radiation Lecture workshop in International Centre for Theoretical Sciences - Tata Institute of Fundamental Research, Bangalore

2018
Bangalore, India

Gravitational waves

Lecture workshop in International Centre for Theoretical Sciences - Tata Institute of Fundamental Research, Bangalore

Work Experience

Conducted a value-added certified course about “**The arts and science of universe: An applied study**” for the students of first and second year BSc degree from November 2022 to January 2023 at The National College, Jayanagar, Bangalore.

Awards

2018 **First place in inter college Mathematics lecture competition**
Presented a lecture on Cauchy Riemann equations for partial differential equations

2018 **Second place in inter college Physics seminar presentation**
Presented a seminar on String theory and supersymmetry

References

Dr. N. Shanthi, *Head of Department, Physics*, Jain University, School of Sciences
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Dr. S. Thiyagaraj, *Professor, Department of Physics*, Jain University, School of Sciences
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