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LAKSHITA

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| Objective |  | RENNAISSANCE IN THE SCIENCE OF RESEARCH AND EXPLORATION, STRIVING TO MAKE HUMAN RACE REACH IT’S PINNACLE.  |
| technical Skills  |  | Python ,C++, Scilab, Fotran, Latex , Roots |
| Experience |  | teaching, superprof2018-2020Online and offline teaching secondary and senior secondary (national and international) students, on specialized topics of sciences and mathematics and entrance examination. |
| Education |  | Bsc(H) Physics(2018-2021)Department of Physics, Sri Venkateswara College, University Of Delhi ,India.minor degree-Mathematics(2018-2020) Sri Venkateswara College, University Of Delhi ,Indiahigher secondary education(2018)Vivekanand School, Anand Vihar, Delhi-110091, India(93.8%)marticulation examination(2016)Vivekanand School, Anand Vihar, Delhi-110091, India(9 CGPA) |
| course work |  | Mechanics, Mathematical Physics(I,II,III), Electromagnetism, Waves and Optics, Thermodynamics, Digital System and Applications, Analog system and Applications, Modern Physics, Solid State Physics, Nuclear and Particle Physics, Quantum Mechanics and Applications, Electromagnetic Theory, Statistical Mechanics, Astronomy and Astrophysics. |
| research interests |  | Nuclear Interaction, High Energy and Plasma Physics, Experimental Particle Physics, Heavy Ion Nuclear Interaction and Superconductivity |
| position of responsibilities |  | Member Of College Physics society-Principia1. Founded **Xminds-** A student Organization for science enthusiasts to work and learn collectively while providing a Platform to grow in the field by doing activities such as learning Projects and Interactive sessions.
2. Scientific blogger at Medium.com
 |
| projects undertaken |  | 1. Dissertation On Superconductivity with special emphasis on High Temperature Superconductors and it’s relation with Bose-Einstein condensates (2021)
2. Prepared an **Organic Fiber** Made out of Citrus Fruits ,in *Google Science Fair*-compared it’s composition with various other samples, studied it’s tensile strength and elasticity and found impeccable results(2018).
 |
| research internship |   | 1. **RESEARCH INTERNSHIP PROGRAM-2021**

Topic- Experimental Particle Physics Mentor- Dr. Amal Sarkar, Post Doctoral Fellow At CERN1. **Scholars Colloquium On Plasma Physics ,2021**

Topic- Derivation of KdV Burger Equations of Plasmas and addition of viscosity perturbation terms Mentor-Dr. Sarniv Chandra, Physics Joint1. **Summer Internship Program (SRI-VIPRA 2020) 20th June to 15th August, 2020**

**Topic-** Dosimetry**Mentor-** Dr. Anand Pandey, Department Of Physics ,Sri Venkateswara College, University Of Delhi1. **SUMMER RESEARCH INTERNSHIP-2020**

Topic-Heavy Ion Nuclear Interaction At Low Energies Under Dr. Abhishek Yadav, , YOUNG SCIENTIST-DST(2014-2017)Ph.D.-  Experimental Nuclear Physics-AMU, Aligarh.1. **Engineering Design Internship-2019**

Topic-Solar PV- Simulation and DesigningUnder Vardhan Consulting Engineers |
| confrences and workshops  |  | 1. CERN Winter School on Supergravity, Strings and Gauge Theory 2021
2. Summer Workshop on Plasma Physics, Physics Joint ,2020
3. International Workshop on Astrophysics and Cosmology organized by International Centre for Cosmology(ICC),Charusat University, Gujrat , India
4. Lecture Series on Introduction to Field Theory: LSIFT-2020, Department Of Physics, Aliah University, Kolkata , India.
5. Coherence Lecture Series , by Prof. Sunil . Mukhi on “Mathematical Physics and reality” organized by Pravega, IISc
6. **S**pace exploration webinar By Prof. R.R. Elangovan, conducted by Team2020
7. Astrominar, organized by astronomy Club of ‘Government College Of Engineering ‘, Nagpur.
8. Seminar on “Machine Learning At CERN, by Dr. Thea Asrrestad,organized by Blackbeam United Cosmos Organization
 |
| participation |  | 1. Presented a contributed E-Talk on “Nuclear Interaction” in AstroRetreat 2020, organized by Scirox Guru Nanak Dev University, Amritsar and stellar universe on June 13,2020.
2. Participated in Presentonomers, an online Presentation competition on Astronomy Organized by Govt. College Of engineering, Nagpur on 11th January,2021
3. A Free Certified Couse on ”Special And General Theory Of Relativity” organized by scienceteen Edt. Pvt. Ltd., Ramanujan Research Institute and Nehru Planetarium.
 |
| References |  | Dr. Amal SarkarProfessor, RKMRC, Post Doctoral Fellow at CERNamal.iitb@gmail.com,9821864970Dr. Abhishek yadavInspire faculty, YOUNG SCIENTIST-DST(2014-2017)ph.D.-Experimental Nuclear Physics-AMU,Aligarh.abhishekyadav117@gmail.com,9456436695Dr. Anand PandeyAssociate Professor, Sri Venkaeswara College, University Of Delhi,Indiaapandey@svc.ac.in,9811720585 |