

## **CURRICULUMVITAE**

*Sreeram Nimmagadda,*  
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### ***Career objective:***

*Seeking a challenging environment where I can apply my skills and knowledge to the well being of organization and even willing to learn new technologies to compete with anything in the competent world.*

### ***Academic profile:***

#### ***Ph.D:***

*2019-24 from Acharya Nagarjuna University under the guidance of Dr.V.Aruna.*

#### ***M.Phil:***

*2009-2011 from Acharya Nagarjuna University with an aggregate of 73%.*

#### ***B.Ed :***

*2007-2008 from Bapuji College of education, Tenali with an aggregate of 72%.*

#### ***M.Sc(Physics) :***

*2005-2007 from Bapatla Engineering College, Bapatla with an aggregate of 68%.*

#### ***B.Sc(MPC) :***

*2002-2005 from A.S.N DegreeCollege, Tenali with an aggregate of 82% .*

#### ***Intermediate(MPC) :***

*2000-2002 from Nehru Niketan Junior College, Tenali with an aggregate of 93%.*

#### ***S.S.C :***

*1999-2000 from Z.P.H School, Pedaravuru with an aggregate of 88%.*

### ***Subjects taught:***

*Engineering physics , Advanced materials, Quantum mechanics , Lasers and Fibre Optics, Solid state physics, Numerical methods and C language, Mathematical methods of physics and spectroscopy.*

### ***Experience:***

- \* Worked as a Physical Science teacher in Narayana Concept School, Nellore.*
- \* Worked as a Assistant professor in the department of Physics, Bapatla Engineering College from 2008 to 2023.*
- \* Working as a Assistant professor in the department of physics ,R.V.R.&J.C college of engineering, Gudur.*

### ***Research profile:***

#### ***Seminars/workshop attended:***

- 1. Participated in a U.G.C.National seminar on “Nanomaterials and their applications” conducted by D.R Appa Row college ,Nuzvid on 10<sup>th</sup> and 11<sup>th</sup> December 2009.*
- 2. Attended a national seminar on “Emerging trends in material science-an application to amorphous, nano and liquid crystals” in CR Reddy College, Eluru on 30<sup>th</sup> october 2010*
- 3. Participated in two day UGC sponsored national seminar on “Novel materials for display purpose” on 28<sup>th</sup> october 2010 in SVRM College , Nagaram.*
- 4. Participated in an international conference on “Waves and material science” conducted by St. Joseph’s college, Tamilnadu on 23<sup>rd</sup> August 2010.*
- 5. Attended a 10 days work shop on Photovoltaics conducted by IIT Bombay in P.V.P Siddhartha Engineering college on 12 december 2011.*
- 6. Attended a national seminar on “Characterisation of nano materials” conducted by V.R Siddhartha engineering college on 30 april 2012.*
- 7. Attended a national seminar on “Dielectric materials and their characterization studies in the microwave frequency region” conducted by Vignan institution on 14 August 2020.*
- 8. Attended an international conference on “Emerging trends in science and technology” conducted by PACE institute of technology, Ongole on 3<sup>rd</sup> December 2022.*
- 9. Attended a 2 days work shop on “Research methodologies and scientific publishing” in Bapatla Engineering college on 28-29 october 2022.*
- 10. Attended a national conference on “Advanced Functional Device Materials” conducted by Acharya Nagarjuna university, Guntur on 27<sup>th</sup> February 2023.*

### ***papers presented:***

1. Presented a paper with the title “Visible-light-driven indium vanadium oxide nanosheets supported bismuth tungsten oxide nanoflakes heterostructure as an efficient photocatalyst for the tetracycline degradation” in an international conference on “Emerging trends in science and technology” conducted by PACE institute of technology, Ongole on 3<sup>rd</sup> December 2022.
2. Presented a paper with the title “Efficacy of copper ions on morphology, physical and optical properties of GeO<sub>2</sub>-LiO<sub>2</sub>-P<sub>2</sub>O<sub>5</sub>-MgO Glasses” in a national conference on “Advanced Functional Device Materials” conducted by Acharya Nagarjuna university, Guntur on 27th February 2023.
3. Presented a paper with the title “Optimized Z-Scheme Charge Separation in 2D NiFe<sub>2</sub>O<sub>4</sub>/Bi<sub>2</sub>WO<sub>6</sub> Nanocomposite for Visible-Light Photocatalysis” in a national conference on “Material science and characterization Techniques” conducted by Acharya Nagarjuna university, Guntur on 7th February 2024.

### ***Papers published:***

1. Published a paper in the journal of Experimental nanoscience with the title “Preparation and characterization of Co(II) ion-doped poly vinyl alcohol-assisted ZnSe nanoparticles” in 2012.
2. Published a paper in the journal of Non-Crystalline Solids with the title “The eminence of copper ions on optical, electrical properties and morphology of B<sub>2</sub>O<sub>3</sub>-Bi<sub>2</sub>O<sub>3</sub>-Al<sub>2</sub>O<sub>3</sub>-MgO glasses” in 2021.
3. Published a paper in the journal of Non-Crystalline Solids with the title “The influence of Cu<sup>2+</sup> ions on the ionic, electronic conductivity and optical characteristics of Li<sub>2</sub>O-SrO-B<sub>2</sub>O<sub>3</sub> system” in 2022.
4. Published a paper in the journal of Physics and Chemistry of Solids with the title “Electrical and spectroscopic characteristics of B<sub>2</sub>O<sub>3</sub>-Bi<sub>2</sub>O<sub>3</sub>-Al<sub>2</sub>O<sub>3</sub>-MgO glasses alloyed with MnO” in 2022.
5. Published a paper in the journal of Chemosphere with the title “Visible-light-driven indium vanadium oxide nanosheets supported bismuth tungsten oxide nanoflakes heterostructure as an efficient photocatalyst for the tetracycline degradation” in 2022.
6. Published a paper in the journal of Catalysts with the title “Novel Indium Vanadium Oxide Nanosheet-Supported Nickel Iron Oxide Nanoplate Heterostructure for Synergistically Enhanced Photocatalytic Degradation of Tetracycline” in 2022.
7. Published a paper in the journal of Environmental Research with the title “Fabrication of InVO<sub>4</sub>/SnWO<sub>4</sub> heterostructured photocatalyst for efficient photocatalytic degradation of tetracycline under visible light” in 2023.
8. Published a paper in the journal of materials chemistry and physics with the title “Ascendancy of Cr<sub>2</sub>O<sub>3</sub> on morphology, spectroscopic and dielectric properties of GeO<sub>2</sub>-Li<sub>2</sub>O-P<sub>2</sub>O<sub>5</sub>-MgO glasses” in 2023.

### ***Achievements:***

- 1. Qualified APSET-2016 for lectureship in the subject of Physical sciences.*
- 2. Qualified National eligibility test-2019 for assistant professor in the subject of Physical sciences.*
- 3. Qualified GATE2013 with all India rank 619.*
- 4. Qualified GATE2020 with all India rank 3251.*
- 5. Qualified GATE2021 with all India rank 1178.*
- 6. Qualified APTET-2012 in the subject of Physical sciences.*

### ***NPTEL FDP courses completed:***

- 1. Completed the course "Solid state physics" in 2019 with 76% marks.*
- 2. Completed the course "Semiconductor optoelectronic devices" in 2019 with 63% marks.*
- 3. Completed the course "Optical fibers" in 2020 with 65% marks.*
- 4. Completed the course "Bio photonics" in 2021 with 70% marks.*
- 5. Completed the course "Introduction to photonics" in 2021 with 53% marks.*
- 6. Completed the course "Introduction to lasers" in 2022 with 70% marks.*
- 7. Completed the course "Academic writing" in 2023 with 82% marks.*

### ***Reference:***

*Dr.K.Rama Krishna ,  
HOD of Physics, Bapatla Engineering College,  
Mobile :9441207751.*

### ***Declaration:***

*I hereby declare that the above mentioned information is true to best of my knowledge.*

*(N.SREERAM)*