Name : **Dr. ASHOK BHOGI**

Designation : Assistant Professor

Department : Humanities & Sciences

Mail Id : ashok_b@vnrvjiet.in

Experience (in years): Teaching: 17, Research: 14, others: -

1. Educational/ Technical Qualifications

S.No.	Level (UG / PG / Ph.D.)	Year of Passing	Specialization
1.	Ph.D.	2016	Glass Materials (Materials Science)
2.	M.Sc.	2006	Solid State Physics
3.	B.Ed.	2004	Physical Science
4.	B.Sc.	2002	M.P.Cs.

2. Teaching and Learning:

2.1 Teaching Interests:

- Engineering Physics
- Applied Physics
- Solid state Physics
- Materials Science,
- Quantum Mechanics
- Classical Mechanics.
- Mathematical Physics

2.2 Novel Teaching & Learning Techniques adopted:

- POGIL
- WIT-WIL
- Synthetic method
- Problem solving method.

2.3 Involvement in curriculum updating / Design:

- Chairman, Board of Studies in Physics

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

- Reading Books.
- Playing Cricket
- Shuttle Badminton.
- Table Tennis

3.2. CCA/ECA Organized:

- NSS Program Officer, Unit-II
- In charge for Project Compendium
- Member, Students Progression Committee
- Member, Canteen Committee
- Member, Disciplinary Committee
- Member in I. B. Tech Induction program.
- Member, Transport manual design committee.

3.3. CCA/ECA participated:

- Organized Mega Blood Donation Camp in VNR VJIET in March 2023.
- Organized NSS Special camp at Venkataraopet village in Medak district in July2019.
- Organized NSS Special camp at Nagasenpally village in Medak district in July2018.
- Organized NSS Special camp at Reddipally village in Medak district in July 2017.
- Organized NSS Special camp at manthoor village in Medak district in Dec 2016.
- Acted as judge at Paper presentation competition in 2017 at VNRVJIET duringConvergence 2K17.

3.4. Counseling and Mentoring Activity:

3.5. Committees involved in:

Department level:

- Chairman, Board of Studies in Physics
- Incharge for Engineering Physics Lab (2011-2015)
- Member, Disciplinary Committee
- Member in I. B.Tech Induction programme ,
- Member, Transport manual design committe

Institute Level:

- NSS Programme Officer, Unit-II
- Incharge for Project Compendium (2012-2017)
- Member, Students Progression Committee
- Member, Canteen Committee
- Co-Convener Sintillashunz 2013 & 2014
- Coordinator, Sintillashunz 2019
- Member, Re-start manual Committee.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 **Conducted:** 02

4.2 Attended:

- Presented a paper on **Band gap determination by Tauc's, ASF and DASF methods of alkaline earth modified lithium borate glasses co-doped with transition metal ions** at "International Conference on Multifunctional Materials-2 (ICMM2-2022)" during 22nd - 24th December 2022, conducted by Department of Physics, Geethanjali College of Engineering and Technology, Cheeryal, Keesara , Medchal, Telangana State, India.

- Presented a paper on **EPR and Optical absorption studies of manganese doped lithium borate glasses** at "Fifth International Conference on Advances in Materials Science (Online)" during 6th- 7th Jun 2020, conducted by Post-Graduate Departmentof Physics, Raje

Ramrao Mahavidyalaya, Jath, Sangli, Magharashtra, India.

- Presented a paper on **Influence of alkaline earths on EPR spectra of lithium borate glasses doped with Fe (III) ions** at "International Conference on Multifunctional Materials (ICMM-2019)" during 19th- 21st Dec 2019, conducted by Department of Physics, Geethanjali College of Engineering and Technology, Cheeryal, Keesara , Medchal, Telangana State, India.

- Presented a paper on **Structural properties of Li_2O-BaO-B_2O_3-Fe_2O_3 glasses** at "3rd International conference on Condensed Matter and Applied Physics" during 14th- 15th Oct 2019, conducted by Department of Physics, Govt Engineering College, Bikaner, Rajastan, India.

- Presented a paper on **Alkaline earth lithium borate glasses doped with Fe (III) ions –an EPR and optical absorption study** at "National Seminar on Physics and Chemistry of Non-Crystalline Materials (PCNCM-2017)" during 1st -2nd Dec 2017, conducted by Department of Physics, Kakani Venkata Ratnam College, Nandigama, Krishna District, Andhra Padesh, India.

- Presented a paper on **EPR spectroscopic investigations in 15BaO-25Li_2O-(60- x)B_2O_3-xFe_2O_3 glass system** at "2nd International conference on Condensed Matter and Applied Physics" during 24th- 25th Nov 2017, conducted by Department of Physics, Govt Engineering College, Bikaner, Rajastan, India.

- Presented a paper on **Alkaline earth lithium borate glasses doped with 3d transition metal ion studied by IR and Raman techniques** at "Fourth Two Day National Conference on Applied Physics and Materials Science (APMS-2017) during 10th- 11th March 2017, conducted by Vasavi College of Engineering, Hyderabad, India.

- Presented a paper on **Electron paramagnetic resonance spectra of copper ion doped lithium barium borate glasses** at "61st DAE Solid State Physics Symposium" during 26th-30 Dec 2016, conducted by Department of Atomic Energy, Government of India, held in

KIIT Universty, Bhubaneswar, Odhisa, India.

- Presented a paper on **Optical absorption and FTIR studies of Cu^{2+} ion doped in $25Li_2O$-15BaO-(60-x) B_2O_3 glasses** at "2nd International Conference on Materials Science and Technology (ICMST-2016)" during 05th- 8th June 2016, conducted by Department of Physics, St. Thomas College, Palai, Arunapuram, Kottayam, Kerala, India 686574.

- Presented a paper on **Electron Paramagnetic Resonance Spectroscopy of Fe^{3+} ions in Lithium calcium borate glasses** at "National Seminar on Multi-functional Materials and their Applications (NSMMA-2016)" during 29th- 30th March 2016, conducted by Department of Physics, University College of Science, Osmania University,Hyderabad.

- Presented a paper on **Physical and Optical Absorption Studies of Fe^{3+}- ions Doped Lithium Borate Glasses Containing Certain Alkaline Earths** at "60th DAE Solid State Physics Symposium" during 21st- 25th Dec 2015, conducted by Amity University, Noida, Utter pradesh, India.

- Presented a paper on **DSC and Optical Studies on BaO-Li_2O-B_2O_3-CuO glasssystem** at "International conference on Condensed Matter and Applied Physics" during 30th- 31st Oct 2015, conducted by Department of Physics, Govt Engineering College, Bikaner, Rajastan, India.

- Presented a paper on **Optical Characterization of Copper ion doped Li_2O-SrO-B_2O_3 glasses** at "Third Two Day National Conference on Applied Physics and Materials Science (APMS-2015) during 7th- 8th Aug 2015, conducted by Vasavi College of Engineering, Hyderabad, India.

- Presented a paper on **Structural and optical properties of CuO doped lithium borate glasses** at "International conference on Glasses and other functional materials" during 11th-13th Dec 2014, conducted by Acharya Nagarjuna University, Guntur, Andhr Pradesh, India.

- Attended International Conference on Nano, BiO and Materials Science (ICONBMS-2014)" during 8th-10th January 2014, Conducted by Department of Physics, Nizam College,

Osmania University, Hyderabad.

- Presented a poster on **Structural &Spectroscopic Properties of Borate glasses doped with Transition metal ions** at "National Seminar on Advanced Materials and their Applications" during 27th-28th February 2013, conducted by Department of Physics, Osmania University, Hyderabad.

- Attended "**4th IEEE International Conference on Technology for Education**" during18th-20th July, 2012, conducted by IIIT, Hyderabad.

- Attended "40th National Seminar on Crystallography" during 26th-28th November, 2011. Conducted by Department of Physics, Osmania University, Hyderabad.

- Attended One day Seminar on "Physics for Engineers" on 25th September 2010. Conducted by Stanley College of Engineering & Technology For Women, Hyderabad.

WORKSHOPS:

- Attended a Two day Workshop on Experimental physics lab course, **"Px Lab 2009"** Conducted jointly by Department of Physics , JNTUH College of Engineering, Hyderabad & Jagtial and VNRVJIET Hyderabad during 17th -18th , September 2010.

- Attended a Workshop on **"Introduction to Nano Science, Nano Technology & Applications"** Conducted by Center for Nano Science & Technology, Institute of Science & Technology and Department of Physics, JNTUCEH, Hyderabad during 03rd -04th September 2010.

- Attended a Two-day workshop on **"The Pedagogy of Technical Writing"** during 06th-07th September 2012, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad.

- Attended a national level workshop on **"Emerging Trends in Nanotechnology**" on 24th August 2013, conducted by Department of Physics, CMR Engineering College, Hyderabad.

- Attended a workshop on **"Light Harvesting Materials"** on 10th October 2015, conducted by Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad Under TEQIP.

- Successfully Completed an AICTE approved Faculty Development Pogramme (FDP101x) on **"Foundation Program in ICT for Education"** conducted by Indian Institute of Technology Bombay from August 3rd 2017 to September 7th, 2017.

- Successfully Completed an AICTE approved Faculty Development Pogramme (FDP201x) on **"Pedagogy for online and Blended Teaching-Learning Process"** conducted by Indian Institute of Technology Bombay from September 14th 2017 to October 12th, 2017.

- Attented One-week Online Faculty Development Programme on **"The Use of Virtual Physics Labs - Creating Next Generation Teachers"** organized by Department of Freshman Engineering, Geethanjali College of Engineering and Technology in association with Indian Society for Technical Education (ISTE) from 20th - 24th, May 2020.

- Attended One Week Online Faculty Development Programme on "**Materials: Recent Trends & Engineering Applications"** organized by Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology during 02 - 07 June 2020.

- Attended One Week Online Faculty Development Programme on "**Advanced Materials Research"** organized by Department of H&S, Bharath Institute of Engineering and Technology during 15th - 19th June 2020.

- Attended One Week Online Faculty Development Programme on "**Engineering Physics and Materials Science"** organized by Department of Physics, Chaitanya Bharathi Institute of Technology during 3rd - 7th August 2020.

- Attended One Week Online Faculty Awareness Programme on "**Research Methodology"**

organized by Department of Mechanical Engineering, Rajgad Dnyanpeeth's Shri Chhatrapathi Shivajiraje College of Engineering, pune during 20th – 25th May 2020.

- Attended Two day's Faculty Development Programme on "**Advances in Photonics"** organized by Department of Physics, RGM College of Engineering and Technology, Kurnool during 6th – 7th July 2020.

- Attended One Week Online Faculty Development Program on "**Current Advances in Science for Engineering and Medical Applications: An Interdisciplinary Approach"** organized by Department of Physics Sciences, Kakatiya Institute of Technology and Science, during 3rd - 7th July 2020.

- Attended One Week Online Faculty Development Program on "**Modern Characterization Techniques for Scientific and Engineering Applications"** organized by Department of Physics Sciences, Kakatiya Institute of Technology and Science, during 4th - 8th August 2020.

- Attended One Week Online Faculty Development Program on "**The Role of Materials Science in Engineering: Applications Perspective."** organized by Department of Physics, Mahatma Gandhi Institute of Technology, during 3rd – 7th August 2020.

- Attended online course on "Quantum Computing" jointly organized by Electronics and ICT Academy, MNIT Jaipur, NIT Patna and PDPM IIIT DM Jabalpur, during 24th -29th August 2020.

- Organized a guest lecture on **"How to write and publish a research paper for peer reviewed journals"** on 19th August 2022, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad.

- Organized a Two-day workshop on **"Advanced Materials and Their Applications"** during 02nd-03rd September 2013, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad Under TEQIP-II.

- Organized **"The Faculty Development Program on Engineering Physics"** during 19th-20th August,2011, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

5.2. Articles / Chapters published in Books:

1. Wet Synthesis Methods of Shape-Memory Polymer Composites. (Book Chapter)
   Ashok Bhogi and T. Rajani
   Book Title: Shape Memory Composites Based on Polymers and Metals for 4D Printing. Springer Publications, https://doi.org/10.1007/978-3-030-94114-7_8

2. Meso, Micro, and Nano Particulate Filled Shape-Memory Polymers (Book Chapter)
   T. Rajani and **Ashok Bhogi**
   Book Title: Shape Memory Composites Based on Polymers and Metals for 4D Printing. Springer Publications, https://doi.org/10.1007/978-3-030-94114-7_11

3. Nano materials, properties and applications - An overview
   Padmavathi Papolu and **Ashok Bhogi**
   Book Title: Role of Nanotechnology in Science and Engineering: It's a Present and Future Technology. SCIENG Publications, ISBN: 978-93-5578-884-9.

5.3 Books published as single author or as editor:

5.4 Projects Guided:

i. UG:

ii. PG:

5.5 Research Interests: Glass materials and Nano materials

5.6 Ph.D students:

i. **Enrolled:** Guiding one student from Chaitanya Deemed to be University as Co-Supervisor since 2022.

ii. Submitted:

iii. Awarded: Awarded in 2016.

Papers published in reviewed Journals:

1. Effect of alkaline earths on spectroscopic and structural properties of Cu^{2+} ions-doped lithium borate glasses
   Ashok Bhogi, R. Vijaya Kumar and P. Kistaiah
   Journal of Non-Crystalline Solids, 426 (2015) 47-54.
   (ELSEVIER Publications)

2. Structural and optical properties of CuO doped lithium borate glasses
   Ashok Bhogi and P. Kistaiah
   Physics and Chemistry of Glasses, 56 (2015) 197-202.
   European Journal of Glass Science and Technlogy Part B.

3. EPR and optical absorption studies of Cu^{2+} ion doped in xLi_2O-(40-x)Bi_2O_3-20CdO-40B_2O_3 glasses
   R. Vijaya Kumar, **Ashok Bhogi**, Md. Shareefuddin, K. Siva Kumar, M. Ghanashyam Krishna and C. S. Sunandana
   Physics and Chemistry of Glasses, 57 (2016) 223–226.
   European Journal of Glass Science and Technology Part B

4. Optical and structural evaluation of lithium strontium borate glasses doped with copper ions
   Ashok Bhogi and P. Kistaiah
   Current Physical Chemistry, 8 (2018) 1-16.
   (Bentham Science Publications)

5. Spectroscopic properties of alkali alkaline earth borate glasses doped with Fe^{3+} ions
   Ashok Bhogi and P. Kistaiah
   Journal of Australian Ceramic Society,56 (2020) 127-138.
   (Springer Publications)

6. Physical and Optical Properties of Borobismuthate Glasses Containing Vanadium Oxide
   Pavan Kumar Pothuganti, **Ashok Bhogi**, Muralidhara Reddy Kalimi and Padmasuvarna Reniguntla
   Glass Physics and Chemistry, 46 (2020) 146-154.
   (Springer Publications)

7. Optical and A.C conductivity characterization of alkaline earth borobismuthate glasses doped with nickel oxide.
   Pavan Kumar Pothuganti, **Ashok Bhogi**, Muralidhara Reddy Kalimi and Padmasuvarna Reniguntla
   Optik, 220 (2020) 165152.

(Elsevier Publications)

8. Thermal and structural characterization of lithium borate glasses doped with Fe(III) ions: The role of alkaline earths
   Ashok Bhogi and P. Kistaiah
   Optical Materials, 109 (2020) 110345.
   (ELSEVIER Publications)

9. Effect of SrO and TeO_2 on the physical and spectral properties of strontium tellurite boro-titanate glasses doped with Cu^{2+} ions
   B. Srinivas, **Ashok Bhogi**, Pallati Naresh, Abdul Hameed, M. Narasimha Chary, Md. Shareefuddin
   Journal of Non-Crystalline Solids, 575 (2022) 121218.
   (ELSEVIER Publications)

10. Influence of La^{3+}, $Sm^{3+}$and Dy^{3+} dopants on ceria solid electrolytes for IT–SOFCs
    Kasarapu Venkataramana, Chittimadula Madhuri, Ch Madhusudan, **Ashok Bhogi**, B. Srinivas, C.Vishnuvardhan Reddy
    Materials Science in Semiconductor Processing, 142 (2022) 106495.
    (ELSEVIER Publications)

11. Nano Fibrous Materials for Capturing Air Pollutants in the Ambient Air - A Review
    Padmavathi Papolu, **Ashok Bhogi**, Dharmikanth, Rahitya, Keshav and Lakshmikanth
    Chemical Science Review Letters, 2022 11 (41) 1-5.
    (Chemical Science Review Letters Publishres)

12. Fabrication, optical and radiation shielding properties of $BaO\text{-}TeO_2\text{-}B_2O_3\text{-}Cr_2O_3$ glass system
    B. Srinivas, **Ashok Bhogi,** Pallati Naresh, M.Narasimha Chary, Md Shareefuddin, Z.A. Alrowaili, Zakaria M.M. Mahmoud, I.O. Olarinoye, M.S. Al-Buriahi.
    Optik, 258 (2022) 168877.
    (Elsevier Publications)

13. Influence of Bi_2O_3 on physical, optical and gamma radiation properties of $BaO\text{-}Bi_2O_3\text{-}B_2O_3\text{-}CuO$ and $BaO\text{-}Bi_2O_3\text{-}B_2O_3\text{-}Fe_2O_3$ glasses
    Sydala Sulochana, **Ashok Bhogi**, B.M. Pratima, Md Shareefuddin, D.K. Gaikwad, Puram Kistaiah
    Journal of Polymer & Composites, 10(1) (2022) 20-31.
    (STM Journals)

14. Absorption spectrum fitting method (ASF), DASF method and structural studies of $Li_2O\text{-}SrO\text{-}B_2O_3\text{-}MnO$ quaternary glass system
    Ashok Bhogi, Boora Srinivas, Papolu Padmavathi, Kasarapu Venkataramana, Kiran Kumar Ganta, Mohd. Shareefuddin and P. Kistaiah
    Optical Materials, 133 (2022) 112911.
    (ELSEVIER Publications)

15. Effect of Mn^{2+} ions on spectroscopic and electrical properties of lithium strontium borate glasses
    Ashok Bhogi, Boora Srinivas, Padmavathi Papolu, Md. Shareefuddin and P. Kistaiah
    Materials Chemistry and Physics, 291 (2022) 126698.
    (ELSEVIER Publications)

16. Optical characterization of copper ion doped Li_2O-SrO-B_2O_3 glasses
    Ashok Bhogi, R. Vijaya Kumar and P. Kistaiah
    Proceedings of the Third National Conference on Applied Physics and Materials Sciences (APMS), Vasavi College of Engineering, Hyderabad, Telangana State 7-8 August 2015. pp.71-73. ISBN: 978-93-82570-64-6.

17. DSC and optical studies on BaO-Li_2O-B_2O_3 -CuO glass system
    Ashok Bhogi, R.Vijaya Kumar, Shaik Kareem Ahmmad and P.Kistaiah
    AIP Conference Proceedings 1728, 020583 (2016).
    doi: 10.1063/1.4946634

18. Physical and optical absorption studies of Fe^{3+}- ions doped lithium borate glasses containing certain alkaline earths.
    Ashok Bhogi, R. Vijaya Kumar and P. Kistaiah
    AIP Conference Proceedings 1731, 070038 (2016).
    doi: 10.1063/1.4947870

19. Electron paramagnetic resonance spectra of copper ion doped lithium barium borate glasses
    Ashok Bhogi, R. Vijaya Kumar and P. Kistaiah
    AIP Conference Proceedings 1832, 070025 (2017).
    doi: 10.1063/1.4980460

20. EPR spectroscopic investigations in 15BaO-25Li_2O-(60-x)B_2O_3-xFe_2O_3 glasses
    Ashok Bhogi, R. Vijaya Kumar and P. Kistaiah
    AIP Conference Proceedings 1953, 090061 (2018).
    doi: 10.1063/1.5032908

21. Optical absoption and FTIR studies of Cu^{2+} ion doped in 25Li_2O-15BaO-(60-x) B_2O_3 glasses
    Ashok Bhogi, R. Vijaya Kumar and P. Kistaiah
    IOP Conference Series: Materials Science and Engineering, 360, 012018 (2018).
    doi:10.1088/1757-899X/360/1/012018

22. Alkaline earth lithium borate glasses doped with Fe(III) ions –an EPR and optical absoption study
    Ashok Bhogi and P. Kistaiah
    Materials Today Proceedings 8 (2018) 26199-26206.
    (ELSEVIER Publications); https://doi.org/10.1016/j.matpr.2018.08.068

23. Structural properties of Li_2O-BaO-B_2O_3-Fe_2O_3 glasses
    Ashok Bhogi, Pavan Kumar Pothuganti and P. Kistaiah
    AIP Conference Proceedings 2220, 080058 (2020).
    doi: 10.1063/5.0001158

24. Influence of alkaline earths on EPR spectra of lithium borate glasses doped with Fe (III) ions
    Ashok Bhogi and P. Kistaiah
    Journal of Physics: IOP Conference Series 1495, 012002 (2020).
    doi:10.1088/1742-6596/1495/1/012002

25. Effect of small concentration of TiO_2 on physical and optical properties of borobismuthate glasses
    Pavan Kumar Pothuganti, **Ashok Bhogi,** Muralidhara Reddy Kalimi, and Padmasuvarna Reniguntla
    AIP Conference Proceedings 2220, 080038 (2020).
    doi: 10.1063/5.0001144

26. A study on optical properties of MnO doped borobismuthate glasses.
    Pavan Kumar Pothuganti, **Ashok Bhogi,** Muralidhara Reddy Kalimi, and Padmasuvarna Reniguntla
    Materials Today Proceedings 41 (2021) 1008-1012.
    (ELSEVIER Publications); https://doi.org/10.1016/j.matpr.2020.06.111

27. Influence of TiO_2 ions on structural properties and AC conductivity of BaO-Bi_2O_3-B_2O_3 glass system.
    Pavan Kumar Pothuganti, **Ashok Bhogi,** Muralidhara Reddy Kalimi, and Padmasuvarna Reniguntla
    Materials Today Proceedings 38 (2021) 2200-2204.
    (ELSEVIER Publications); https://doi.org/10.1016/j.matpr.2020.05.770

28. Optical properties of lithium borate glasses co-doped with transition metal ions for Li-ion battery applications
    B. Sai Charan, **Ashok Bhogi** and P.Kistaiah
    International E-Conference on Materials Processing & Characterization-2020, Department of Physics, Chaitanya Bharathi Institute of Technology (A), Gandipet, Hyderabad, Telangana State,18-19 September 2020. pp.297-299. ISBN: 978-81-946476-9-0.

29. Band gap determination by Tauc's, ASF and DASF methods of alkaline earth modified lithium borate glasses co-doped with transition metal ions
    Ashok Bhogi, Boora Srinivas, Md. Shareefuddin, P. Kistaiah
    Materials Today Proceedings XX (XXXX) XXX-XXX.
    (ELSEVIER Publications); https://doi.org/10.1016/j.matpr.2023.04.243.

30. Effect of BaO/TeO_2 oxide ratio in $TiO_2.B_2O_3.Fe_2O_3$ glasses: Physical, thermal and optical absorption studies
    B. Srinivas, **Ashok Bhogi**, J. Ramesh, T.V. Surendra, Sheik Ahammed, A.V. Lalitha Phani, Abdul Hameed, Md. Shareefuddin
    Materials Today Proceedings XX (XXXX) XXX-XXX.
    (ELSEVIER Publications); https://doi.org/10.1016/j.matpr.2023.04.008.

31. Green synthesis of various metal oxide nanoparticles for the environmental remediation-An overview
    Padmavathi Papolu, **Ashok Bhogi**
    Materials Today Proceedings XX (XXXX) XXX-XXX.
    (ELSEVIER Publications); https://doi.org/10.1016/j.matpr.2023.04.544.

32. Structural properties of borobismuthate glasses doped with MnO
    Pavan Kumar Pothuganti, Ashok Bhogi, Muralidhara Reddy Kalimi, Padma Suvarna Reniguntla
    Materials Today Proceedings XX (XXXX) XXX-XXX.
    (ELSEVIER Publications);https://doi.org/10.1016/j.matpr.2023.05.131

Attended Faculty development programs:

1. Attended a Two day Workshop on Experimental physics lab course, **"Px Lab 2009"** Conducted jointly by Department of Physics , JNTUH College of Engineering, Hyderabad & Jagtial and VNRVJIET Hyderabad during 17^{th} -18^{th} , September 2010.

2. Attended a Workshop on **"Introduction to Nano Science, Nano Technology & Applications"** Conducted by Center for Nano Science & Technology, Institute of Science & Technology and Department of Physics, JNTUCEH, Hyderabad during 03rd -04^{th} September 2010.

3. Attended a Two-day workshop on **"The Pedagogy of Technical Writing"** during 06^{th}-07^{th} September 2012, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad.

4. Attended a national level workshop on **"Emerging Trends in Nanotechnology**" on 24^{th} August 2013, conducted by Department of Physics, CMR Engineering College, Hyderabad.

5. Attended a workshop on **"Light Harvesting Materials"** on 10^{th} October 2015, conducted by Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad Under TEQIP.

6. Successfully Completed an AICTE approved Faculty Development Pogramme (FDP101x) on **"Foundation Program in ICT for Education"** conducted by Indian

Institute of Technology Bombay from August 3rd, 2017, to September 7th, 2017.

7. Successfully Completed an AICTE approved Faculty Development Pogramme (FDP201x) on **"Pedagogy for online and Blended Teaching-Learning Process"** conducted by Indian Institute of Technology Bombay from September 14th, 2017, to October 12th, 2017.

8. Attented One-week Online Faculty Development Programme on **"The Use of Virtual Physics Labs - Creating Next Generation Teachers"** organized by Department of Freshman Engineering, Geethanjali College of Engineering and Technology in association with Indian Society for Technical Education (ISTE) from 20th - 24th, May 2020.

9. Attended One Week Online Faculty Development Programme on "**Materials: Recent Trends & Engineering Applications"** organized by Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology during 02 - 07 June 2020.

10. Attended One Week Online Faculty Development Programme on "**Advanced Materials Research"** organized by Department of H&S, Bharath Institute of Engineering and Technology during 15th - 19th June 2020.

11. Attended One Week Online Faculty Development Programme on "**Engineering Physics and Materials Science"** organized by Department of Physics, Chaitanya Bharathi Institute of Technology during 3rd - 7th August 2020.

12. Attended One Week Online Faculty Awareness Programme on "**Research Methodology"** organized by Department of Mechanical Engineering, Rajgad Dnyanpeeth's Shri Chhatrapathi Shivajiraje College of Engineering, pune during 20th – 25th May 2020.

13. Attended Two day's Faculty Development Programme on "**Advances in Photonics"** organized by Department of Physics, RGM College of Engineering and Technology, Kurnool during 6th – 7th July 2020.

14. Attended One Week Online Faculty Development Programme on "**Current Advances in Science for Engineeing and Medical Applications: An Interdisciplinary Approach"** organized by Department of Physics Sciences, Kakatiya Institute of Technology and Science, during 3rd - 7th July 2020.

15. Attended One Week Online Faculty Development Programme on "**Modern Characterization Techniqes for Scientific and Engineering Applications"** organized by Department of Physics Sciences, Kakatiya Institute of Technology and Science, during 4th - 8th August 2020.

16. Attended One Week Online Faculty Development Programme on "**The Role of Materials Science in Engineering: Applications Perspective.**" organized by Department of Physics, Mahatma Gandhi Institute of Technology, during 3rd – 7th August 2020.

17. Attended online course on "Quantum Computing" jointly organized by Electronics and ICT Academy, MNIT Jaipur, NIT Patna and PDPM IIIT DM Jabalpur, during 24th -29th August 2020.

Organized Faculty Development Programs:

1. Organized a guest lecture on **"How to write and publish a research paper for peer reviewed journals"** on 19th August 2022, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad.

2. Organized a Two-day workshop on **"Advanced Materials and Their Applications"** during 02nd-03rd September 2013, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad Under TEQIP-II.

3. Organized **"The Faculty Development Program on Engineering Physics"** during 19th-20th August,2011, conducted by Department of Humanities & Sciences, VNRVJIET, Hyderabad.

Attended Refresher Course/Short Term Courses:

1. Attended Two-week Online Refresher Course on "Contemporary Development Trends in Materials Science and Engineering" held from 09-08-2021 to 24-08-2021 jointly organized by University Garnts Commission and Human Resoursec Development Centre (HRDC), JNTU Hyderabad, Telangana State, India.
   (UGC - SPONSORED Refresher Course).

2. Attended in One-Week Online STTP on "Novel Materials and Energy Storage Devices for Environmental and Health Care Applications" held from 24-01-2022 to 31-01-2022 jointly organized by AICTE, New Delhi, VNR VJIET, Hyderabad and Human Resource Development Centre, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, T.S., India.
   (AICTE - Sponsored Short Term Training Programme)

Resource Person:

1. Acted as a Resource person for the AICTE sponsored Online short-term training program on "Novel materials and energy storage devices for environmental and health care applications" held from 24-01-2022 to 31-01-2022 and delivered a lecture session on "**Optical and structural characterization of manganese doped lithium borate glasses".**

Sponsored research Projects: Nil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

Consultancy Projects: Nil

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

4. Awards / Honors received:

1. Acted as Reviewer for International Conference on Multi functional materials held during 19-21 December 2019 at Geethanjali College of Engineering and Technology.

2. Awarded with Certificate of Editorial board membership by Science ResearchAssociation Journal of physics.

3. Awarded with Certificate of Editorial board membership by Science ResearchAssociation Journal of materials.

4. Awarded with "Outstanding Researcher in Materials Science", Awarded by RULA Awards, Powered by "World Research Council" and " United Medical Council".

5. Awarded with Certificate of Outstanding Contribution in Reviewing, June-2018 from Journal of Materials Chemistry and Physics. (ELSEVIER Publications)

6. Awarded with Certificate of Reviewing,, April-2018 from Journal of MaterialsChemistry and Physics. (ELSEVIER Publications)

7. Awarded with Certificate of Reviewing, April-2018 from Vibrational Spectroscopy.(ELSEVIER Publications)

8. Acting as Reviewer for Journal of Inorganic and Organometallic Polymers andMaterials. (Springer Publications).

9. Acting as Editorial Board Member for International Journal of Materials Scienceand Applications (IJMSA); ISSN Print: 2327-2635, ISSN Online: 2327-2643.

10. Life member in Materials Research Society of India (MRSI) in compliance with themembership number LMB3019.

11. Accredited member of World Research Council in compliance with Accreditation number WRC-RRF-IND-10101 for the academic year 2019-20.

12. Life member in Indian Science Congress Association (ISCA) in compliance with themembership number L41361.

5. <u>Editorial Board Member:</u>

1. Acting as Editorial Board Member for **SCIREA Journal of Materials**
   (Science Research Association Publications)

2. Acting as Editorial Board Member for **SCIREA Journal of Physics**
   (Science Research Association Publications)

3. Acting as Editorial Board Member for **International Journal of Materials Science and Applications (IJMSA); ISSN Print: 2327-2635, ISSN Online: 2327-2643.**

6. Motto: 1. Every successful person has a painful story, and every painful story has a successful ending.
2. Intelligent may fail, but hard work and sincerity never fails.