

Name of Faculty	Dr. S. SHRAVAN KUMAR REDDY
Designation	Assistant Professor
Nature of Job/Appointment	REGULAR
Date of Joining	24.07.2017
E-mail	shravankumar_physics@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Ph.D (PHYSICS)	-----
PG	M.Sc (PHYSICS)	FIRST DIVISION
UG	B.Sc (PHYSICS)	FIRST DIVISION WITH DISTINCTION
Others	JEST	All India Rank:383
	AP-SET	-----
	UGC-JRF and SRF	-----

Work Experience

Teaching	4 years
Research	10 years
Industry	-----
Others	-----

Area of Specialization	1. Materials Physics 2. Condensed Matter Physics
------------------------	---

Professional Memberships	-----
--------------------------	-------

Responsibilities held at Institution Level	-----
--	-------

Responsibilities held at Department Level	<ol style="list-style-type: none"> 1. In-Charge, ISO certification 2. In-Charge, Department Library.
---	--

Research Guidance	XXXX
-------------------	------

Courses Handled at Under Graduate / Post Graduate Level.	<ol style="list-style-type: none"> 1. Engineering Physics 2. Applied Physics 3. Introduction to Mechanics and Electromagnetic theory 4. Optics and Semiconductor Physics 5. Physics 6. History of Science and Technology
--	--

No. of Papers Published	<table border="0"> <tr> <td>National Journals–00</td> <td>International Journals –18</td> </tr> </table>	National Journals–00	International Journals –18
National Journals–00	International Journals –18		

	<table border="0"> <tr> <td>National Conference-20</td> <td>International Conference – 10</td> </tr> </table>	National Conference-20	International Conference – 10
National Conference-20	International Conference – 10		

Projects Carried out	<ol style="list-style-type: none"> 1. Submitted proposals for the sanction of Research Project to TS-COST, Govt. of Telangana. 2. Submitted proposals for the sanction of Research Project under CRS (Collaborative Research Scheme) to UGC DAE CSR, Indore, Madhya Pradesh. Project Shortlisted in evaluation and yet to get project sanction orders.
----------------------	--

Patents	-----
---------	-------

Technology Transfer	<ol style="list-style-type: none"> 1. Dr.V. Raghavendra Reddy, Scientist-G, UGC DAE CSR, Indore, Madhya Pradesh, India. 2. Dr.T. Govardhan Reddy, Assistant Professor (Sr), Gurughasidas Vishwavidyala, Bilaspur, Chattisgarh, India. 3. Dr. Anjali Panchwanee, Post-Doc Fellow, DESY, Hamburg, Germany.
---------------------	---

Invited Speaker (Few Important/Prominent)	-----
---	-------

No. of Books/Chapter Published with details	<p><i>"Structural, Electrical, Magnetic and ⁵⁷Fe Mossbauer Study of DyFeO₃ based Magneto-Electric Materials"</i> LAMBERT Academic Publishing (978-613-9-95070-6)(2019).</p>
---	---

Details of Short-Term Training Programs/ Faculty Development Programs/Seminars/Workshops. Other Trainings **(Attended and/or Organized)**.

1. Participated in e-workshop on MÖSSBAUER SPECTROSCOPY AND X-RAY DIFFRACTION TECHNIQUES - 2020 organised by Department of Physics, University P.G. College, Palamuru University, Mahabubnagar, Telangana State on 23rd July, 2020.
2. Participated in webinar on “ STATISTICAL ANALYSIS AS AN INTERFACE IN ENGINEERING PROBLEMS ” Organised By Chaitanya Bharathi Institute of Engineering and Technology, Hyderabad on 13th July, 2020.
3. Participated in the Leadership Talk with Shri Dipendra Manocha, (Motivational Speaker) held on 27th June, 2020 conducted by MHRD's Innovation Cell.
4. Participated in e-workshop on “Materials processing and Technology” during 27th June, 2020, Department of Physics and Chemistry, MGIT, Hyderabad.
5. Participated in the Leadership Talk with Mr. Mahesh Babu, CEO, Mahindra Electric Mobility Ltd held on 23rd June, 2020 conducted by MHRD's Innovation Cell.
6. Participated in Online Faculty Development Program on “Advanced Materials for Energy Harvesting, Conversion and Storage” organized by Department of Science and Humanities, MLR Institute of Technology, Hyderabad during 19-23rd June, 2020.
7. Successfully completed Online Quiz Competition on ‘Science and Nature Quest’ organized by the Department of Basic Sciences, G. Narayanamma Institute of Technology and Science during 22-27th June, 2020 with a score of 95%.
8. Participated in India Webinar on “Industry 4.0: Issues and Challenges” Organised By Budha Institute of Technology, Gorakhpur, U.P during 20th June, 2020.
9. Participated in the Leadership Talk with Mr. Shridhar Venkat, CEO (Akshay Patra Foundation) held on 20th June, 2020 conducted by MHRD's Innovation Cell.
10. Participated in One week FDP on “Advanced Materials Research” Organised By Bharath Institute of Engineering and Technology, Hyderabad and Indian Ceramic Society during 15-19th June, 2020.
11. Participated in an online workshop on “Social Responsibility and Community Engagement” Organised By Chaitanya Bharathi Institute of Engineering and Technology (CBIT), Hyderabad during 17th June, 2020.
12. Participated in the Leadership Talk with Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment) held on 13th June, 2020 conducted by MHRD's Innovation Cell.
13. Participated in Two-day International Virtual FDP on “Innovative Techniques for Effective Teaching Online and Offline” during 12-13th June, 2020, Faculty of English (Department of M&H), MGIT, Hyderabad.
14. Participated in “e-Quiz: General Science” on 11th June, 2020 with a score of 84%, Department of Physics and Chemistry, MGIT, Hyderabad.
15. Successfully completed the course Learning Physics Through Simple Experiments (2nd April to 10th June, 2020) organized by Prof. H. C. Verma (Retd.) Department of Physics, IIT Kanpur, Centre for Continuing Education.
16. Participated in the Leadership Talk with Dr. Nilesh N Oak, Expert (Indian Civilization & History) held on 30th May, 2020 conducted by MHRD's Innovation Cell.
17. Participated in One week FDP on “Outcome Based Education and NAAC Accreditation process” Organised By Chaitanya Bharathi Institute of Engineering and Technology, Hyderabad (CBIT), Hyderabad during 28th May-1st June, 2020.
18. Participated in “Awareness Program on Outcome Based Education (OBE)” organized by MLR Institute of Technology, Hyderabad during 22nd May, 2020.
19. Participated in the India First Leadership Talk Webinar with Prof D. P. Singh, Chairman UGC, 9th May, 2020 conducted by MHRD's Innovation Cell.
20. Successfully completed course on Quantum Mechanics (an

Details of Journal Publications

1. S. Shravan kumar Reddy, J.Ramesh, M. Sreenath Reddy, , Ch. Gopal Reddy, P. Yadagiri Reddy, P.D.Babu, V.Siruguri, V. Raghavendra Reddy, "Structural, Magnetic, electrical and ⁵⁷Fe Mossbauer study of La doped polycrystalline magneto-electric DyFeO₃ " (communicated to Journal of Materials Science, Springer) (2021).
2. G.Padmasree , S. Shravan Kumar Reddy, N.Pavan Kumar, P.Yadagiri Reddy, Ch.Gopal Reddy, "Magnetization Studies of Mn Doped YFeO₃ Multiferroics" , AIP Conference proceedings 2352 (020018) 2021. (Impact Factor: 0.42)
3. G.Padmasree, S. Shravan Kumar Reddy, N.Pavan Kumar, P.Yadagiri Reddy, Ch.Gopal Reddy, "Structural and magnetic properties of Y_{1-x}Dy_xFeO₃ multiferroics", Materials Today Proceedings 46 (2021) 2201-2204. (Impact Factor: 0.42)
4. M. Manendar, S. Shravan Kumar Reddy, J. Ramesh, M. Sreenath Reddy, M. Manivel Raja, Ch. Gopal Reddy, P. Yadagiri Reddy, V. Raghavendra Reddy, "Cation distribution in Ni substituted Ba_{0.5}Sr_{1.5}Co₂Fe₁₂O₂₂ Y-type hexagonal ferrites" Ceramics International 47 (2021) 9591-9596. (Impact Factor: 4.5)
5. M. Sumalatha, S. Shravan Kumar Reddy, M. Sreenath Reddy, Suresh Sripada, M. Manivel Raja, Ch. Gopal Reddy, P. Yadagiri Reddy, V. Raghavendra Reddy, "Raman and in-field ⁵⁷Fe Mossbauer study of cation distribution in indium (In) substituted phase pure cobalt ferrite (CoFe_{2-x}In_xO₄)" Journal of Magnetism and Magnetic Materials 523 (2020) 167561. (Impact Factor: 3.2)
6. G Padmasree , S. Shravan Kumar Reddy ,J. Ramesh , P.Yadagiri Reddy and Ch Gopal Reddy, "⁵⁷Fe Mossbauer and electrical studies of Mn doped YFeO₃ prepared via sol-gel technique" Materials Research Express 7(2020)116103. (Impact Factor: 1.7)
7. J. Ramesh, S. Shravan Kumar Reddy, G.Padmasree, M.S.Reddy, Ch.G.Reddy, P.Y.Reddy, K.R. Reddy,V.R.Reddy, "The characterization of Nd doped BiFeO₃ multiferroic polycrystalline materials" AIP Conference proceedings 2269 (2020)030056. (Impact Factor: 0.64)
8. M. Sumalatha, S. Shravan kumar Reddy, M. Sreenath Reddy, Suresh Sripada M. Manivel Raja, Ch Gopal Reddy, P. Yadagiri Reddy, V. Raghavendra Reddy, "Raman and in-field ⁵⁷Fe Mossbauer study of cation distribution in Ga substituted cobalt ferrite (CoFe_{2-x}Ga_xO₄)" Journal of Alloys and Compounds 837 (2020) 155478. (Impact Factor: 5.4)
9. M. Sumalatha, S. Shravan Kumar Reddy, M. Sreenath Reddy, Suresh Sripada, P. Venkat Reddy, Gopal Reddy Ch, P. Yadagiri Reddy, and V. Raghavendra Reddy "Effect of indium substitution on structural and hyperfine parameters of CoFe₂O₄, AIP Conference Proceedings 2220, 110038 (2020). (Impact Factor: 0.64)
10. Anjali Panchwanee, Irene Schiesaro, Settimio Mobilio, S. Shravan Kumar Reddy, Carlo Meneghini, Edmund Welter and V.Raghavendra Reddy, "An evidence of local structural disorder across spin-reorientation transition in DyFeO₃ : An Extended X-ray Absorption Fine structure (EXAFS) study", J. Phys.: Condens. Matter 31 (2019) 345403 (Impact Factor: 2.9)
11. S. Charvani, S. Shravan Kumar Reddy, G. Narendar, Ch. Gopal Reddy, "Preparation characterisation of alumina nanocomposites", Materials today: proceedings 5(13):26817-26822 (2018). (Impact Factor: 0.42)
12. J. Ramesh, S. Shravan Kumar Reddy, N. Raju, M. Sreenath Reddy, Ch. Gopal Reddy, P. Yadagiri Reddy, K. Rama Reddy, V. Raghavendra Reddy "The Electrical, Magnetic and

⁵⁷Fe Mössbauer studies of Al doped PrFeO₃ polycrystalline materials" Ceramics International (2018) 19314-19318. (Impact Factor: 4.5)

13. S. Shravan Kumar Reddy, N. Raju, J. Ramesh, Ch. Gopal Reddy, P. Yadagiri Reddy, K. Rama Reddy and V. Raghavendra Reddy "Effect of sintering temperature on leakage current study of polycrystalline multiferroic DyFeO₃ system", Ferroelectrics (Taylor & Francis) 516 (2017) 1-7 . (Impact Factor: 1.7)
14. S. Shravan Kumar Reddy, N. Raju, Ch. Gopal Reddy, P. Yadagiri Reddy, K. Rama Reddy, V. Raghavendra Reddy, Surya Mohan Gupta, "Study of Mn doped multiferroic DyFeO₃ ceramics", Ceramics International 43 (2017), 6148-6155. (Impact Factor: 4.5)
15. J. Ramesh, N. Raju, S. Shravan Kumar Reddy, M. Sreenath Reddy, Ch. Gopal Reddy, P. Yadagiri Reddy, K. Rama Reddy, V. Raghavendra Reddy, "⁵⁷Fe Mossbauer study of spin reorientation transition in polycrystalline NdFeO₃", Journal of Alloys and Compounds 711 (2017) 300-304. (Impact Factor: 5.4)