

Name of Faculty Dr Y SRINIVASA REDDY
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 01 - 06 - 2007
 E-mail ysreddy_physics@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Physics)	Awarded
PG	M.Sc. (Physics)	1
UG	B.Sc. (MPC)	2

Work Experience

Teaching	15 Years
Research	15 years
Industry	----
Others	---

Area of Specialization Materials Science, Ultrasonics

- Professional Memberships
1. Life member, MRSI (LMB 1805)
 2. Life Member, IAPT (9361 L 5726)
 3. Life Member, USI (L -240)
 4. Senior Member, SCIEI (20120708001)
 5. Member, IAENG (120908)
 6. Senior Member, IACSIT (80343197)
 7. Editorial Board Member, MSRI (ISSN: 0973-3469)

- Responsibilities held at Institution Level
1. College Maintenance Committee (12.04.2021 to Till Date)

- Responsibilities held at Department Level
1. Member, Board of Studies (2013 – Till date)
 2. Course Coordinator (CBCS) (2016 – 2018)
 3. ISO Coordinator (2007 – 2016)
 4. CBIT Newsletter Coordinator (2007 – 2016)
 5. Lab In-charge (2011 – Till date)

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Engineering Physics, Applied Physics, Optics & Semiconductor Physics, Introduction to Mechanics & Electromagnetic Theory, History of Science & Technology

No. of Papers Published National Journals – 08 International Journals – 41
 National Conference – 30 International Conference – 17

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

- No. of Books/Chapter Published with details
1. Published Book Titled "GIA-based Evaluation of Watershed Management in Medak District, India", 2019, Lambert Academic Publishing in 2019, ISBN: 9786200232328
 2. Published Book Titled "ECET-FDH Physics & Chemistry", 2011, Roller Books, ISBN: 978-81-920224-1-3
 3. Published Book Titled "Mechanics, Waves and Oscillations", 2007, Victory Publications (Surya Books)

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops. Other Trainings (Attended and/or Organized) from the Year 2017

WS/ Seminars/ Conferences/ STTPS/ FDPs Organized

1. Convener, International e-Conference on Materials Processing & Characterization – 2020 (ICMP&C-2020), organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad on September 18 & 19, 2020.
2. Convener, One Week Online FDP on “Student Induction & Universal Human Values”, organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad during August 26 – 30, 2020.
3. Coordinator, One Week Online FDP on “Engineering Physics and Materials Science”, organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad during August 03 – 07, 2020.
4. Member, Organizing Committee, One Day Seminar on Role of Physics in Engineering Curriculum, organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad on May 30, 2017
5. Online AICTE Recognized FDP on “Enhancing Research Capabilities for Career Progression of Technical Teachers” organized by Mechanical Engineering Department, NITTTR, Chandigarh during August 23 - 27, 2021 (1 week)
6. Online FDP on “IPR & Patent Prosecution” organized by Department of CSE in association with Institution Innovation Council, MVSREC, Hyderabad during May 24 – 28, 2021 (1 week).
7. AICTE Training And Learning (ATAL) Academy FDP on “Alternate Fuels”, organized by Shaheed Bhagath Singh State Technical Campus, Ferozepur, Punjab during September 07-11, 2020 (1 week).
8. Online FDP on “Modern Characterization Techniques for Scientific and Engineering Applications” , organized by Department of Physical Sciences, KITS, Warangal during August 04 - 08, 2020 (1 week).
9. Online National Level FDP on “Characterization of Materials' , organized by Department of Basic Sciences & HSS, JNTUK – University College of Engineering, Vizayanagaram during August 03 - 07, 2020.
10. Online AICTE Recognized FDP on “Evaluation and Setting Question Papers”, organized by the Education and Educational Management Department, NITTTR, Chandigarh during July 20 - 24, 2020 (1 week).
11. Attended FDP on “Recent Trends in Technology and Teaching Learning Methodology”, organized by Dept. of CSE & IT, SIRT, Sage University, Indore during 09 – 11 July, 2020.
12. Attended One Week Online AICTE Recognized FDP on “Materials Processing and Optimization”, organized by Mechanical Engineering Department, NITTTR, Chandigarh during 06 -10 July, 2020.
13. One Week Online Refresher Course on “Bharateeya Chaitanyam”, organized by Chaitanya Samskruthi, Chaitanya Bharathi Institute of Technology (A), Gandipet, Hyderabad during 29 June - 05 July, 2020.
14. Participated in E-workshop on “Materials Processing and Technology”, organized by Mahatma Gandhi Institute of Technology on 27th June, 2020.
15. Attended International Virtual Conference on “Wearable Technologies & Applications: Emerging Trends & Innovations”, organized by Center for Wearable Technology and Applications, School of Electronics Engineering, VIT, Vellore during 26 -27 June, 2020.
16. Attended Webinar on “Publishing Research Articles in Scopus Indexed Journals”, organized by School of Management Studies, CBIT (A), Hyderabad on 24th June, 2020.
17. Attended Webinar on “History of Pandemics”, organized by History Wing, DDU, Annamalai University, Tamilnadu during 20 –

22 June, 2020.

18. Participated in an Online Workshop on "Social Responsibility and Community Engagement", organized by Chaitanya Bharathi Institute of Technology (A), Hyderabad on 17th June, 2020.
19. Attended International Virtual FDP on "Innovative Techniques for Effective Teaching Online and Offline", organized by Faculty of English (Department of M&H), Mahatma Gandhi Institute of Technology, Hyderabad during 12 - 13 June, 2020.
20. Attended Online Course "Learning Physics through Simple Experiments", offered by Centre for Continuing Education, IIT Kanpur (8 weeks, 02nd April to 10th June, 2020).
21. Attended One Week online FDP on "Materials: Recent Trends & Engineering Applications", organized by Gokaraju Rangaraju Institute of Engineering and Technology (A), Hyderabad during 02 - 07 June, 2020.
22. Attended National Webinar on " New Challenges Post Pandemic: A Step Towards Connecting People To Environment", organized by the Science Club & Eco Club of Kalinga University, Naya Raipur, Chhattisgarh on 5th June, 2020.
23. Attended Webinar on "Piezoelectric Based Energy Harvesting Techniques", organized by Department of Electrical and Electronics Engineering, MSAJCE, Chennai on 03rd June, 2020.
24. Attended Indo-UK Virtual Conference 'Current Innovations and the Future of Therapeutic Developments, organized by Centre for Biomaterials Cellular & Molecular Theranostics (CBCMT) at Vellore Institute of Technology (VIT), Vellore, India and Swansea University, United Kingdom during 01 – 03 June, 2020.
25. Participated in an Online Workshop on "Patent Searching, Drafting and Filing", organized by Panimalar Institute of Technology during 29th May – 02nd June 2020.
26. Attended One Week Online FDP on "Outcome Based Education and NBA Accreditation Process - (UG)", organized by Chaitanya Bharathi Institute of Technology (A), Gandipet, Hyderabad during 28th May – 01st June 2020.
27. Attended Awareness Program on "Covid-19", organized by NSS, JNTUH, Jagtial on 31st May, 2020.
28. Attended Webinar on "Writing a Research Paper for Good Indexed Journals", organized by Dadi institute of Engineering & Technology, Vishakapatnam, AP on 30th May, 2020.
29. Attended One Week Online AICTE Recognized FDP on "Recent Advances in Material Characterization", organized by Mechanical Engineering Department NITTTR, Chandigarh during 23 - 28 May, 2020.
30. Attended Online Sessions of IIC of MHRD Innovation Cell from 28th April to 22nd May 2020.
31. Attended Awareness Program on "Outcome Based Education", organized by MLR Institute of Technology on 20th May, 2020.
32. Attended Course on Covid – 19 (Awareness & Prevention), organized by Global Institute of Healthcare Management, Delhi on 16th May, 2020
33. Participated in A Hands on Workshop on "Effective and Efficient Online Teaching in the Age of Corona", organized by IIT Bombay on 16th May 2020.
34. Participated in Panel Discussion on "Research, Innovation & Entrepreneurship Opportunities in Covid-19 Scenario", organized by Pandit Deendayal Petroleum University, Gandhinagar, Gujarat on 15th May, 2020.
35. Attended Faculty Program on "NBA", organized by Bharathi Vidyapeeth College of Engineering, Navi Mumbai on 12th May, 2020.
36. Completed Five Weeks Online Course "Materials Science: 10 Things Every Engineer Should Know", authorized by University of California and offered through Coursera on 10th May 2020.
37. Attended Webinar on "Communication Mastery", organized by Centre for Skill Development, Annamalai University, Tamilnadu on 8th May, 2020.
38. Completed Four Weeks Online Course "Epidemics, Pandemics and Outbreaks", authorized by University of Pittsburgh and offered

- through Coursera on 25th April 2020.
39. Completed Four Weeks Online Course "Philosophy, Science and Religion: Science and Philosophy", authorized by the University of Edinburgh and offered through Coursera on 23rd April 2020.
 40. Attended Webinar on "Khan Academy: Getting Started with Remote Learning", organized by Khan Academy on 22nd April, 2020.
 41. Completed Three Weeks Online Course "Academic Information Seeking", authorized by University of Copenhagen and Technical University of Denmark and offered through Coursera on 22nd April 2020.
 42. Completed Twelve Weeks Course on "NBA Accreditation and Teaching – Learning in Engineering (NATE)", offered by NPTEL – SWAYAM (27th January to 17th April, 2020)
 43. Participated in Online Workshop on "Intellectual Property Rights", organized by Pandit Deendayal Petroleum University, Gandhinagar, Gujarat during 10 - 11 April, 2020.
 44. Attended Guest Lecture on "Light Emitting Diodes" by Prof. A.S. Sai Prasad, Department of Physics, Vasavi College of Engineering, Hyderabad organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad on 20th February, 2020.
 45. Attended Guest Lecture on "Higgs Boson Discovery and Prospects" by Prof. Eric Laenen, University of Amsterdam, Netherlands, organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad on 17th February, 2020.
 46. Attended One Day National Seminar on "Intellectual Property Rights in Academic Research", organized by RBVRR Women's College (A), Hyderabad on 15th February, 2020.
 47. Attended National Seminar on "IoT for Real World", organized by Departments of M&H, CSE, IT and MCA of CBIT (A) & MGIT, Hyderabad on 28th October, 2019.
 48. Completed Twelve Weeks Course on "Non-Conventional Energy Resources" by NPTEL (January - April 2019).
 49. Attended Seminar on "Physics and its Applications in Engineering", organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad on 13th March, 2019.
 50. Participated in STTP "Development of Laboratory Instruction and Manual", organized by National Institute of Technical Teachers' Training and Research, Kolkata at Chaitanya Bharathi Institute of Technology (A), Hyderabad during 04 – 08 February, 2019.
 51. Participated in One Week Short Term Course on "MOOCs, e-content development and Open Educational Resources", organized by UGC-HRDC, JNTU Hyderabad during 03 – 08 January, 2019.
 52. Attended National Conference on "Materials for Energy and Environment – Its Development and Applications", organized by Department of Physics, Osmania University, Hyderabad during 29 – 30 April, 2018.

Details of Journal Publications/
Conferences (National and
International)

International/National Journals from the Year 2017

1. M. Venkateshwatlu, K. Rajagopal, C. Obula Reddy and Y.S. Reddy, Investigation of Groundwater Contamination due to Landfill Leachate, Indian Journal of Environmental Protection (Accepted, August 2021) ISSN: 0253 – 7141 IF:0.4
2. Y.S. Reddy, M. Subhadra, C. Obula Reddy and K. Rajagopal, *The Challenges in Online education at School Level*, International Journal for Innovative Research in Multidisciplinary Field, Volume 7, Issue 4, April 2021, Pages 166 – 168. ISSN: 2455-0620
3. K. Rajagopal, Y.S. Reddy, C. Obula Reddy, *Distortion of Ultrasonic Waves in Biodiesels and Blends*, European Journal of Molecular & Clinical Medicine, Volume 7, Issue 11, December 2020, Pages 2738 – 2749. ISSN: 2515-8260
4. N. Maramu, Padigela Srinivasa Reddy, N. Arundhathi, Y.S. Reddy, Prashnath Kumar Vaidya, *Microstructure of Ca doped Neodymium based perovskites for SOFC*, Solid State Technology, Volume 63, Issue 6, December 2020,

- Pages 17793 – 17796. ISSN: 0038-111X (Online)
5. C. Obula Reddy, Y.S. Reddy, M. Subhadra and K. Rajagopal, *Effect of long-term storage on the fatty-acid profile of biodiesel and its impact on key ultrasonic properties of biodiesels and blends*, Energy Sources Part A: Recovery, Utilization, and Environmental Effects, (Published September 2020) Print ISSN: 1556-7036 Online ISSN: 1556-7230 IF: 3.4
DOI: <https://doi.org/10.1080/15567036.2020.1817193>
 6. Y.S. Reddy, C. Obula Reddy, M. Subhadra, and K. Rajagopal (2020), "Long – term storage effect on molecular interactions of biodiesels and blends", Energy Sources Part A: Recovery, Utilization, and Environmental Effects, DOI: 10.1080/15567036.2020.1776798 ISSN(Print): 1556-7036 ISSN (Online): 1556-7230
 7. M. Venkateswarlu, K. Rajagopal and Y.S. Reddy (2020), "Geochemical Studies on the Groundwater of Kistapur Village, Medchal District, Telangana State, India", Indian Journal of Environmental Protection (Under Print). ISSN: 0253 – 7141
 8. Y.S. Reddy, M. Venkateswarlu and K. Rajagopal (2020), "Synthesis, Characterization and Electrical Properties of Double Layered CMR Manganite $\text{Sm}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ", Mukta Shabd Journal, Volume IX, Issue VI, pp. 6087 – 6091. ISSN: 2347 – 3150
 9. Y.S. Reddy and K. Rajagopal (2019), "Low Temperature Magnetotransport Studies on Double Layered Manganite $\text{Pr}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ", International Journal of Engineering, Applied and Management Sciences Paradigms, Volume 54, Issue 2, pp. 169 -172. ISSN: 2320-6608
 10. Y.S. Reddy (2017), "Synthesis and Magnetotransport Behavior of Double Layered Colossal Magnetoresistive Manganite $\text{La}_{1.2}\text{Sr}_{1.4}\text{Ba}_{0.4}\text{Mn}_2\text{O}_7$ ", International Journal of Engineering Science and Technology, Volume 9, Issue 7, pp. 727 – 731. ISSN(Print): 2278 – 9510 ISSN(Online): 0975 – 5462
 11. Y.S. Reddy (2017), "Electrical Transport and Magnetoresistance of Double Layered CMR Manganites $\text{R}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ (R = La, Pr, Sm), Materials Science-Poland Volume 35, Issue 2, pp. 440 – 446. ISSN 2083-1331, e-ISSN 2083-134X
 12. Y.S. Reddy (2017), Synthesis, Characterization and Magnetotransport Behavior of La-based Double Layered Manganites", Acta Physica Polonica A, Volume 131, Issue 6, pp. 1544 – 1549. ISSN(Print): 0587 – 4246 ISSN(Online): 1898 – 794X
 13. Y.S. Reddy (2017), "Synthesis, Elastic Properties of Double Layered Manganites $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ (x = 0.3, 0.4, 0.5)", International Journal of Engineering Science and Technology, Volume 9, Issue 5, pp. 487 – 490. ISSN(Print): 2278 – 9510 ISSN(Online): 0975 – 5462

International/National Conference Proceedings from the Year 2017

1. Musini Venkateswarlu, K. Suresh and Y.S. Reddy, Geochemical Aspects of Groundwater Bearing and Petrological Influence on Southern Parts of Nalgonda, Telangana, Proceedings of International e-Conference on Materials Processing & Characterization-2020 (ICMP&C-2020), p. 217 – 219. ISBN: 978-81-946476-9-0
2. Santhosh Kumar A, G. Nataraju, Y. Srinivasa Reddy and B. Linga Reddy, Recent Advances in the Fabrication of ZnO Based Nanostructures for Opto-Electronic Devices, Proceedings of International e-Conference on Materials Processing & Characterization-2020 (ICMP&C-2020), p. 211- 216. ISBN: 978-81-946476-9-0
3. Subhadra, K. RajGopal, Y. Srinivasa Reddy and P. Kistaiah, *Physical and dc Electrical Properties of Vanadium doped Mixed Alkali Bismuth Borate Glasses*, Proceedings of International e-Conference on Materials Processing & Characterization-2020 (ICMP&C-2020), p. 68 - 73. ISBN: 978-81-946476-9-0
4. Y. S. Reddy, M. Subhadra and K. Rajagopal, *Online Education: Challenges in Rural Areas of India*, Proceedings of Virtual International Conference on Emerging Trends in Online Education and Global Challenges on Higher Education Framework post Covid-19, International Journal for Innovative Research in Multidisciplinary Field, Special Issue 16, June 2020, p. 31 – 32. ISSN: 2455-0620.
5. Y.S. Reddy and K. Rajagopal, "Synthesis, Characterization and Electrical Properties of Double Layered CMR Manganite $\text{Sm}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ", International Web Conference on Smart Engineering Technologies – 2020 organized by Ramco Institute of Technology, Rajapalayam, Tamilnadu during 26 – 27 June, 2020.
6. Y.S. Reddy and K. Rajagopal, "Determination of Room Temperature Elastic Constants of La-Sr-Mn-O System", National Conference on Interdisciplinary Research and Innovative Technologies - 2020 organized by SAGE University, Indore during 25 – 26 June, 2020.
7. Y.S. Reddy and K. Rajagopal, "Online Education: Challenges in Rural Areas of India", Virtual International Conference on Emerging trends in online education and Global challenges on Higher Education Framework post Covid-19 organized by Department of Computer Science, Career College, Bhopal, Madhya Pradesh during 17 – 18 June, 2020.
8. Santhosh Kumar A, Y Srinivasa Reddy, Raja Gopal K, Ashutosh C Abhyankar, "Growth of Hydrophobic Al doped ZnO nanoarrays and their Raman Scattering, Photoluminescence and Photodetection properties". International Conference on Purification and Recycling of Electronic Materials - 2020 organized by C- MET, Hyderabad during 8-10 March 2020.
9. Y.S. Reddy, K. Rajagopal and C. Vishnuvardhan Reddy, "Electrical and Ultrasonic Studies on CMR Perovskite Manganite $\text{Ce}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ " at Room Temperature, 6th National Conference on Applied Physics and Materials Science - 2019 organized by Department of Physics, Vasavi College of Engineering (A), Hyderabad on 28th December, 2019.
10. K. Rajagopal and Y.S. Reddy, "Ultrasonic Studies on Stored Biodiesels and Blends", Research Day - 2019, organized by Chaitanya Bharathi Institute of Technology (A), Hyderabad on 23rd August, 2019.
11. Y.S. Reddy and C. Vishnuvardhan Reddy, "Synthesis, Characterization and Electrical Transport Behaviour of CMR Manganite $\text{Pr}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ ", 5th National Conference on Applied Physics and Materials Science - 2018 organized by Department of Physics, Vasavi College of Engineering (A), Hyderabad during 07 – 08 September, 2018.
12. Y.S. Reddy, "Elastic Properties of Double Layered Manganites $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ " 4th National Conference on Applied Physics and Materials Science - 2017 organized by Department of Physics, Vasavi College of

Engineering, Hyderabad during 10-11 March, 2017.