

N. Venkateswara Reddy

Assistant Professor



Education Qualifications: M. Sc., M. Phil (Physics)
Specialization: Nanoscience & Laser Physics

ADDRESS:

- A – Block -Room No. A001

JNTUH ID:

36150406-101707

EMAIL:

nvsreddy_phy@mgit.ac.in

DATE OF JOINING:

21-07-2021

EXPERIENCE - 15 Years

- Teaching - 15

SUMMARY:

- Publications - 2
- Conferences - 1

EVENTS:

- Organized - 3
- Attended - 63

LET'S MEET ON SOCIAL:

- <https://www.facebook.com/mgithyderabad>
- <https://www.instagram.com/mgithyderabad>
- <https://www.linkedin.com/company/mgithyderabad>
- https://twitter.com/MGIT_hyderabad

Membership of Professional Bodies:

1. Indian Physics Association (HYD/LM/13019)
2. The Indian Science Congress (L24088),
3. ISTE(LM96460)
4. Indian Laser Association (LM1388)

Responsibilities Held at Institution Level:

1. Actively participated in NSS Programmes
2. Working as Co-convener of Anti- Ragging committee.
3. Nirvana Committee member
4. Faculty Incharge of Photography Club
5. Worked as Editorial board member for college Magazine "MUSINGS"
6. Conducted QUIZ programmes for students during NIRVANA and on Various occasions
7. Member for Antiragging committee.
8. Member in Security committee during Nirvana
9. Member of Drama and Music club

Responsibilities Held at Department Level:

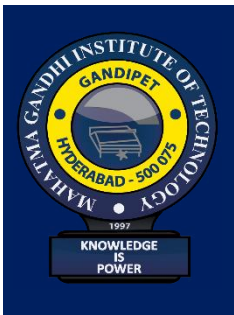
1. Engineering Physics laboratory & Applied Physics Laboratory development activities
2. Worked as Engineering Physics Laboratory Incharge from 2008 to 2015
3. Class Incharge for I B.Tech section every year from Dept. Of P&C
4. Participated in student monitoring duties from dept. Of P&C
5. Did Academic and result analysis of Department of P&C.
6. Incharge for Departmental Library

Courses Handled at Under Graduate /Post Graduate Level:

- **UG:**
 1. APPLIED PHYSICS,
 2. Engineering Physics
 3. Solid state Physics

Publications:

1. Published a paper entitled "Structural and Magnetic Properties of AL₃₊ Doped NI-ZN Nano Ferrites in International Advanced Research Journal in Science, Engineering and Technology
2. Published a paper Entitled "A comparative study of optical and biological properties of Ag nanoparticles using leaves of Raphanus sativus, Trigonellafoenum-graecum and roots of Zingiberofficinale"

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Conferences:

1. Presented a Paper entitled “Bioreduction Potentials of Cynadon Dactylon for EcoFriendly Silver Nanospheres” in laser symposium 29

Events Organized:**FDPs/STTPs:**

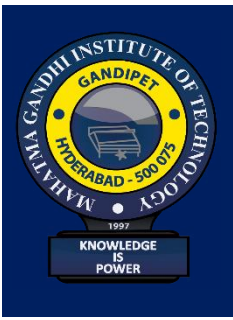
1. One of the Coordinators for Faculty Development Programme on The Role of Materials Science in Engineering: Applications Perspective from 03-08-2020 to 07-08-2020.
2. Convener of National Level Online Faculty Development Programme Materials for Photonics during 9-13 August 2021

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. Conducted National Level ONLINE QUIZ PROGRAMME on 11-13 JUNE 2020 as a convener. Over 1300 participated in the programme and certificates sent to about 1000 eligible participants

Events Attended**Conferences**

1. Attended One Day Seminar on Nano materials: Synthesis and Applications on 30 August 2012, At CBIT, CBPOST, HYD-75 organized by Dept. Of Physics and Chemistry, CBIT
2. Attended seminar on International Conclave on Climate Change during 12-14 October 2011 at HITECHS, HYDERABAD organized by Engineering Staff College Of India, Hyderabad
3. Attended seminar on Nanotechnology & Its Applications during 27- 28 February 2012 (2 DAYS) at CBIT, CB post, Hyd-75 with TEQIP funds
4. Attended seminar on Innovation and Technology for sustainable Development on 12 April 2012 at MGIT, CB POST, HYD-75 organized by IIPC, AICTE, NEW DELHI.
5. Attended seminar on the ROLE OF CHEMISTRY IN MODERN LIFE 28-29 JUNE 12 (2 days) at A.V. College of Arts, Science & Commerce, Hyderabad, sponsored by UGC, New Delhi
6. Attended two-day National seminar on environment and sustainable development (1st & 2nd February 2013) at MVSREC, Nadargul, Hyderabad-75 organized by MVSR Engineering College, Hyd
7. Attended two-day seminar on Need for Concept Oriented Physics Teaching in Engineering Colleges during 16th to 17th August 2013 at VJIT, Aziz Nagar Gate, Hyderabad-75;
8. Attended One Day National Work Shop on Advances in Light Emitting Diodes ON 9TH November 2013 at Vasavi College of Engineering, Ibrahim Bagh, Hyderabad
9. Attended one day FDP on Project Management from an Industry Perspective at MGIT, Hyderabad-85.
10. Attended two-day seminar on Metallurgy for Non-Metallurgists during 29th to 30th January 2015 at MGIT Hyderabad-75.
11. Attended two-day DST-Sponsored National Conference on Sustainability through Chemical and biological during 19th to 20th March 2015 sciences at MGIT, Hyderabad-75
12. Attended two-day National Conference on Engineering Materials, Energy and Environment during 24th to 25th April 2015 at CBIT, HYDERABAD-75;
13. Attended two-day conference on APPLIED PHYSICS AND MATERIAL SCIENCE (APMS-2015) at VASAVI COLLEGE OF ENGINEERING, HYDERABAD-31;



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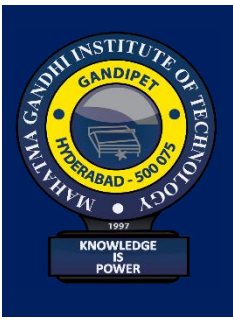
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14. Attended WORKSHOP on Nuclear Radiation Detection with G.M Counter for Physics teachers at AV COLLEGE, PG CENTRE, HYDERABAD-75;
15. Attended one day seminar on “Role of Physics in Engineering Curriculum” at “CBIT, HYDERABAD-75;
16. Participated two-day workshop on Adoption of technology in teaching and learning during 5-6 July 2017 in Association with Swecha Academic Chapter.
17. Participated in Work shop “To train the trainers for implementation of Induction Program during 17th-19th May 2018 (3 days) at JNTUH, HYDERABAD under TEQIP, JNTUH.

FDPs/STTPs:

1. Attended STTP On Mechatronics during 12-16 JULY 2010 (1 week) at MGIT, CB Post, Hyd-75 sponsored by NIT Warangal, JNTUH Hyderabad.
2. Attended Effective Teaching Methodology during 25-30 JUNE 2007 (1 week) At CBIT, CB Post, Hyd-75 sponsored by CBIT Hyderabad.
3. Attended TWO WEEK FACULTY DEVELOPMENT PROGRAMME ON ENTREPRENEURSHIP during 22nd april to 4th May 2013 at MGIT Hyderabad funded by AICTE.
4. Attended Faculty Development Programme during 9-13 JULY 2013 (1 week) at MGIT, CBIT, HYD-75 organized by TEQIP
5. Attended One Week Faculty Development Programme on Engineering Physics During 19th to 24th August 2013 at CBIT, GANDIPET Hyderabad-07
6. Attended 3rd Research Methodology Course (1 week) at JNTUH, HYDERABAD-85;
7. Attended Faculty Development Program for student Induction Program v16th-22nd July 2018 at Institute of Aeronautical Engineering, Dundigal, Hyderabad AICTE, South Central Regional office, Hyderabad
8. Completed the online NPTEL COURSE CRYSTALLOGRAPHY AND X-RAY DIFFRACTION ORGANIZED BY IIT, HYDERABAD
9. Faculty Development Program for student Induction Program 16th-22nd July 2018 Institute of Aeronautical Engineering, Dundigal, Hyderabad AICTE, South Central Regional office, Hyderabad
10. Attended E- Faculty Development Program on “Materials Science: Synthesis and Characterization ”, 11-15 May 2020 SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA, Indore
11. Has successfully completed One-week National level work shop an open-source substitute for matlab jointly 25-30 MAY 2020. organized by jntuh college of engineering sultanpur, Sanga reddy, spoken tutorial project IIT BOMBAY
12. Attended Two-day International Virtual FDP on Innovative Techniques for Effective Teaching Online and Offline June, 2020 Organized by Faculty of English (Department of
13. M&H) on Mahatma Gandhi Institute of Technology, Hyderabad.
14. Attended 1 week FDP on Advanced Materials Research 15-19 June 2020. BIET& INDIAN CERAMIC society
15. Attended One Week Online FDP on Materials: Recent Trends & Engineering Applications during 02 - 07 June 2020 GRIET6.
16. Successfully completed a short course on "Learn to Design your own Solar Home System". The recipient got a basic understanding of energy, power, electricity bill, and solar systems. The recipient can estimate the

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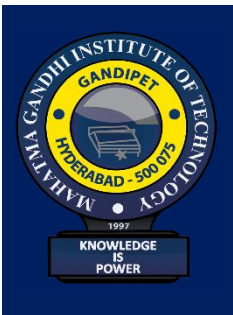
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electricity needs of a home and design a solar system for the same. The certificate has been awarded as a part of Energy Literacy Drive. 24th June 2020 The Energy Swaraj Foundation in association with Mahatma Gandhi Institute of Technology

17. Participated in One Week Online FDP on “Engineering Physics and Materials Science”, organized by Department of Physics from 03-08-2020 to 07-08-2020.
18. PARTICIPATED One Week Online Faculty Development Programme (FDP) on “Impacts of Nanomaterials Applications in the Environment”, from 17-08-2020 to 21-08-2020. ORGANISED BY Mepco Schlenk Engineering College, Sivakasi

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Participated in two-day work shop on Adoption of Technology in teaching and Learning held on 5-6 JULY 2017 organized by Department of Information Technology in association with Swecha Academic Chapter
2. Work shop “To train the trainers for implementation of Induction Program. 17th-19th May 2018 (3 days) JNTUH, HYDERABAD
3. Participated in workshop Recent trends in materials and its applications in Engineering one day work shop organized by Dept. of Physics, CBIT 20-11-2019
4. Participated in one day e-workshop on MÖSSBAUER SPECTROSCOPY AND X-RAY DIFFRACTION TECHNIQUES - 2020 organised by Department of Physics, University P.G. College, Mahabubnagar, Telangana State on 23.07.2020.
5. participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Computer Science & Biology" from 2020-8-29 to 2020-9-2 at PDPM IITDM Jabalpur
6. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Computer Science & Biology" from 2020-8-29 to 2020-9-2 at PDPM IITDM Jabalpur
7. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2020-9-14 to 2020-9-18 at Central University of Jharkhand.
8. Participated & completed successfully AICTE Universal Human Values from 21-09-2020 to 25-09-2020 organised by AICTE
9. Participated in online faculty development programme on Swachhta Bharath Action plan-The role of Higher educational institutions organized by NSS UNIT CELL MGIT HYDERABAD in association with MGNCERE HYDERABAD during 8th to 10th OCTOBER 2020.
10. Participated in the One-Week International Webinar/ FDP on “Relevance of Mathematics to Core Engineering Sciences” organized by Mahatma Gandhi Institute of Technology, Hyderabad from 12 to 16 October 2020.
11. Participated in One-Week Online Faculty Development Program on “Outcome Based Education and Accreditation”, conducted by ISTE Telangana Section in association with JNTUH College of Engineering, Jagtial; Mahatma Gandhi Institute of Technology, Hyderabad and Swecha, during 5 - 9 October 2020.
12. Participated in one day International webinar on “Synergistic efforts of Academicians and Industrialists in combating Covid-19 Using Luminescence 02-06-2020 St.Pious X Degree and PG college for women.
13. Participated in the “Webinar on Hybrid Nanocomposites for Energy Storage” on. Organized 4th June 2020 by Department of Science and

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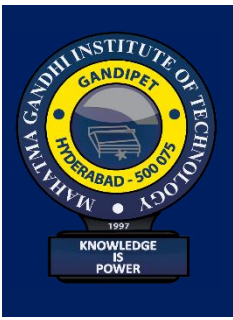
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Humanities, RVS Technical Campus – Coimbatore, Kumaran Kottam Campus, Kannampalayam, Coimbatore-641 402.

14. participated in the international webinar on “Recent Advances in Preclinical Research” 06th JUNE 2020 organized by Department of Pharmacology, Chalapathi Institute of Pharmaceutical Sciences, Guntur, Andhra Pradesh, INDIA in association with SERB (Science and Engineering Research Board),
15. Participated in the webinar on “Nano Composite Ion-Conducting Solid Polymer Electrolyte Materials” conducted on, 10-06-2020 organised by Department of Basic Sciences & Humanities, Vignan’s Institute of Management & Technology for Women, Hyderabad.
16. Participated webinar on “Non-Linear Physics” jointly organised by 12th JUNE 20. SSN centre for radiation Environmental Science and technology (SSN-CREST) and Indian Spectra Physics Association
17. Participated in the Webinar entitled “Scope of Virtual Labs in UG Physics and Chemistry Teaching 29th June, 2020 “conducted on by the Departments of Physics, Chemistry and IQAC.
18. Participated solar eclipse live session 23 june 20 by trich astro club.
19. Participated in Science and technology of thin films 23 june 20 conducted by MRIT.
20. successfully attended a webinar entitled “Recent Advances in COVID-19 Treatment: Indian Perspective” held on CONDUCTED BY. 26-06-2020 MGIT
21. Attended e work shop Material Processing and technology Conducted by 27-06-2020 Dept of P&C MGIT.
22. participated in a Two-Day National Level Virtual Workshop on “The Role of Chemistry in Modern Healthcare” organized by Department of Physics and Chemistry, Mahatma Gandhi Institute of Technology, Hyderabad on 3rd and 4th of July 2020.
23. participated in the 3-Day National Webinar on “Secondary Melting and Processing Technologies” (SMPT-2020), organized by the Department of Metallurgical and Materials Engineering, Mahatma Gandhi Institute of Technology, Hyderabad in association with the Indian Institute of Metals (Hyderabad Chapter) during July 23-25, 2020
24. Participated and successfully completed webinar episode 64, Indias hidden gems 21st November 2020 month, conducted by Ministry of Tourism, Govt. Of India
25. Participated and successfully completed webinar episode 65, incredible india-12 months of tour (28 November 2020) of adventure tour, conducted by Ministry of Tourism, Govt. Of India.
26. Participated and successfully completed dekho Apna Ghar webinar episode - 66 conducted by Ministry of Tourism, Govt. Of India
27. Participated and successfully completed webinar during December FSSAI, EAT RIGHT MY GOV conducted by, Govt. Of India
28. Participated and successfully completed webinar and quiz conducted by ministry of housing and urban Affairs

Online Certifications:

1. Completed the 5 weeks online course "Electrodynamics: An Introduction an online non-credit course authorized by Korea Advanced Institute of Science and Technology (KAIST) and offered through Coursera by Seungbum Hong, Associate Professor Materials Science and Engineering
2. Completed the 8 weeks online course "How Things Work: An Introduction to Physics an online non-credit course authorized by University of Virginia and offered through Coursera by Louis A



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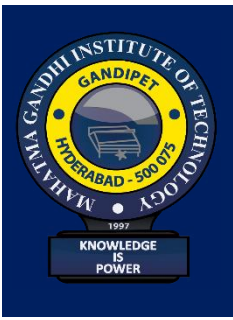
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Bloomfield Professor and Associate Chair of Physics University of Virginia Completed the " Introduction to Electronics an online non-credit course

3. Completed the " Introduction to Electronics an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera by Professor Bonnie H. Ferri, Dr. Allen Robinson School of Electrical and Computer Engineering, Georgia Institute of Technology
4. Completed the " Introduction to Electronics an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera by Professor Bonnie H. Ferri, Dr. Allen Robinson School of Electrical and Computer Engineering, Georgia Institute of Technology
5. Black Holesan online non-credit course authorized by University of Alberta and offered through coursera
6. Completed 4-week online course AI For Everyone an online non-credit course authorized by deeplearning.ai and offered through Coursera
7. completed 3-week online course Quantum Mechanics an online non-credit course authorized by University of Colorado Boulder and offered through Coursera
8. completed 4-week online course Work Smarter, Not Harder: Time Management for Personal & Professional Productivity an online non-credit course authorized by University of California, Irvine and offered through Coursera
9. completed 6-week online course Wireless communications for Everybody an online non-credit course authorized by Yonsei University and offered through Coursera
10. completed 3-week online course Ideal Gases an online non-credit course authorized by University of Colorado Boulder and offered through Coursera
11. completed 4-week online course "Cybersecurity Roles, Processes & Operating System Security
12. an online non-credit course authorized by IBM and offered through Coursera
13. Completed 7 weeks online course: Cyber security and Its Ten Domains an online non-credit
14. course authorized by University System of Georgia and offered through Coursera
15. Completed 4 weeks Introduction to the Internet of Things and Embedded Systems an online non-credit course authorized by University of California, Irvine and offered through Coursera
16. Completed 4 weeks Learning How to Learn: Powerful mental tools to help you master tough subjects an online non-credit course authorized by McMaster University, University of California San Diego and offered through Coursera
17. Completed 4 weeks How Computers Work an online non-credit course authorized by University of London, Goldsmiths, University of London and offered through Coursera
18. Completed 6 weeks Material Behaviour an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera
19. Completed 10 weeks The Science of Well-Being an online non-credit course authorized by Yale University and offered through Coursera



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20. Completed 11 weeks Astronomy: Exploring Time and Space an online non-credit course authorized by University of Arizona and offered through Coursera
21. Completed 1-week COVID-19 Contact Tracing an online non-credit course authorized by Johns Hopkins University and offered through Coursera
22. Completed 3 weeks Cloud Computing Basics (Cloud 101) an online non-credit course authorized by LearnQuest and offered through Coursera
23. Completed 4 weeks Leadership and Emotional Intelligence an online non-credit course authorized by Indian School of Business and offered through Coursera
24. Completed 1 week Introduction to Cloud Identity an online non-credit course authorized by Google Cloud and offered through Coursera
25. Completed 5 weeks Wind Energy an online non-credit course authorized by Technical University of Denmark (DTU) and offered through Coursera
26. Completed 4 weeks Data Science Math Skills an online non-credit course authorized by Duke University and offer through Coursera
27. Completed 4 weeks Energy: The Enterprise an online non-credit course authorized by University at Buffalo and The State University of New York and offered through Coursera
28. Has completed AWS Fundamentals: Going Cloud-Native an online non-credit course authorized by Amazon Web Services and offered through Coursera
29. Has completed Hacking Exercise for Health. The surprising new Science of fitness. an online non-credit course authorized by McMaster University and offered through Coursera
30. Completed the online NPTEL COURSE CRYSTALLOGRAPHY AND X-RAY DIFFRACTION ORGANIZED BY IIT, HYDERABAD

Any Other Contribution:

1. Involved in laboratory manual preparation
2. Collected money from students and staff and sent it to National Foundation for Communal Harmony, New Delhi (An autonomous organization under the Ministry of Home affairs, Govt. of India)
3. Deputed as polling officers for Conducting National General Elections-2014 from our institute and worked at Bharatheeya vidyabhavan, Madhapur.
4. Deputed as Enumerator for Conducting Intensive House Hold Survey in Peeramcheruvu village Rajendra Nagar Mandal conducted by Govt of Telangana, Telangana.
5. Collected fund from staff and students and donated to Indian Association for the blind (IAB), an NGO located at sundararajanpatty, Arumbanoor post, Madurai, Tamilnadu. The donations are being used by the society for education, employment and rehabilitation of blind people fulfilling social obligations.