



Ravi Gugulothu
JNTUH College of Engineering Hyderabad
Indian Institute of Technology-Madras

CONTACT ADDRESS

MOBILE

E-MAIL ID

G Ravi
 Assistant Professor (Contract),
 Department of Mechanical Engineering,
 JNTUH College of Engineering Hyderabad (JNTUH CEH),
 Kukatpally, Hyderabad-85,
 Telangana State.

09490708819

ravi.gugulothu@gmail.com
 ravi.lecturerinjntuhceh@gmail.com

PERSONAL DETAILS

Nationality : Indian
 State : Telangana State
 Date of birth : 04th August, 1985
 Age : 38 Years
 Sex : Male
 Father's name : Mr Bhavsingh Gugulothu



EDUCATION

| Program | Institution | Year of completion |
|---|--|--------------------|
| Ph.D. in Department of Mechanical Engineering | Osmania University, Hyderabad, Telangana State | Pursuing |
| M Tech in Ocean Engineering | Indian Institute of Technology Madras, Chennai | 2011 |
| B Tech in Mechanical Engineering | JNTU College of Engineering, Hyderabad, Telangana | 2008 |
| Intermediate | Sree Chaithanya Junior College, Khammam, Telangana | 2003 |
| S.S.C | APTWRS, Etumagaram, Warangal, Telangana | 2001 |

SKILLS

- Computer skills
 - Packages : GAMBIT & Fluent, Orca Flex, Auto CAD, Math CAD, Mathematica and Microsoft Office.
 - Operating System : Windows (98/2000/2010/XP)
 - Language : Fundamentals of 'C' programming, Data Structure Through 'C' programming, FORTRAN and MAT Lab.

PROJECTS

1. To Design a "Steel Catenary Type Marine Riser" as a Design Project.
2. Studies on the Seabed Interaction of Riser and Catenary System for a FPSO.
3. CFD analysis of two phase flow using VOF model for low mass fluxes of refrigerants prediction of pressure drop.

TRAINING DETAILS

1. Working as a Project Assistant in BHEL Hyderabad.
2. Practical Training in Chennai Port Trust.

3. Working as “Assistant Professor (Contract)” (for Teaching UG & PG classes) since, 2nd July, 2011 in the Department of Mechanical Engineering, Jawaharlal Nehru Technological University Hyderabad, College of Engineering, Hyderabad.

MEMBERSHIP

1. Life membership in “The Indian Society for Technical Education (ISTE)”, with LM: 97298.
2. Membership in “International Association of Engineers (IAENG)”, Membership Number is: 143206.
3. Life Member of National Society of Fluid Mechanics and Fluid Power (NSFMFP), Membership Number is: LM847

EXTRA & CO-CURRICULAR ACTIVITIES

1. Presented a model on “Cylindrical Parabolic Concentric Heat Collector” in SRUJANA-2007, a State Level Project Exhibition cum Competition.
2. Two times short listed for interview of “Neyveli Lignite Corporation India Limited” written test 2008 and 2012.
3. Score 102nd Rank in “PGECET-2008” Conducted by “OSMANIA University”.
4. Written test short listed for Interview in “DRDO SET-2008”.
5. Written test short listed for Interview of “Assistant Professor” conducted by JNTU Kakinada, conducted on 17th December, 2012.
6. Written test short-listed for 3rd Stage Computer Based Test of CEN-01/2018 (ALP & Technicians) Conducted by Railway Recruitment Boards, Ministry of Railways, Government of India.

NPTEL ONLINE COURSES ATTENDED

1. Awarded with “Elite” Certificate for successfully completing the course “Bio-energy” from July-September, 2019.
2. Awarded by NPTEL-AICTE “Faculty Development Programme” for successfully completing the course “Bio-energy” from July-September, 2019.
3. Awarded with Certificate for successfully completing the “Biomass Characterization” of 4 Credit course for the session July-October, 2019.

NPTEL COURSES FOR TRANSLATION

1. Engineering Metrology (112104250), Lecture Series: 19-27, dated: 11.09.2020.

WORKSHOPS CONDUCTED

1. Conducting webinar on “Laws of thermodynamics & their applications” under twinning activity with Mentee Institute Motihari College of Engineering Motihari, Bihar & SMVDU, Jammu on 8th to 10th February, 2021.
2. Organizing an Online Short Term Course on “Hybrid Vehicle Technology” under twinning activity with Mentee Institute Motihari College of Engineering Motihari, Bihar & SMVDU, Jammu on 11th to 13th February, 2021.

INTERNATIONAL CONFERENCE PAPERS

1. M.T.Naik, E Vojkani and G.Ravi (2013), “Numerical Investigation of Turbulent Flow and Heat Transfer Characteristics of PGW-CuO Nanofluids”, is presented in 2nd International Multi-Conference on Computer, Electrical, Electronics and Mechanical Engineering (MCEEME'13), during 23rd April 2013 to 24th April 2013 at Thailand.
2. Hima Bindu Banoth, Bhramara Panitapu, Ravi Gugulothu, Naga Sarada Somanchi, Devendar G, Devender.V and Banothu Kishan (2014), “A Review on Performance of Solar Still with Different Techniques”, is presented in International Conference on Renewable Energy and Sustainable Development (ICRESD 2014)/International Symposium on Engineering and Technology (ISET 2014), during 9th and 10th January, 2014 at KJEE's Trinity College of Engineering and Research, Pune.
3. Nagasarada Somanchi, Hima Bindu Banoth, Ravi Gugulothu and Mohan Bukya (2014), “A Review on Performance of Solar Still Coupled with Thermal Systems”, is presented in “1st International Conference on Non Conventional Energy (ICONCE 2014)” during 16th to 17th January, 2014 at JIS College of Engineering, Kalyani, West Bengal, India.
4. Naga Sarada.S, Sri Rama Devi.R and Ravi Gugulothu (2014), “Turbulent Flow Heat Transfer Enhancement in a Horizontal Tube Using Inserts”, is presented in “1st International Conference on Mechanical Engineering: Emerging

Trends for Sustainability (IC MEETS 2014)", during 29th to 31st January 2014 at MANIT Bhopal. ISBN: 978-93-83083-45-9.

5. Naga Sarada Somanchi, Hima Bindu Banoth, **Ravi Gugulothu** and Mohan Bukya (2014), "A Review on Parametric Performance of Solar still", is presented in "International Conference on Industrial Engineering Science and Applications-2014 (IESA-2014)", during 2nd to 4th April, 2014 at NIT Durgapur, West Bengal. ISBN: 978-93-80813-27-1.
6. Naga Sarada Somanchi, Sri Rama Devi R and **Ravi Gugulothu** (2014), "Experimental Investigations on Heat Transfer Enhancement in A Horizontal Tube Using Converging and Diverging Conical Strip Inserts", is presented in International Mechanical Engineering Congress-2014 (IMEC-2014), held on 13th – 15th June, 2014, at National Institute of Technology, Tiruchirappalli.
7. S.Naga Sarada, Banoth Hima Bindu, Sri Rama Devi R and **Ravi Gugulothu** (2014), "Solar Water Distillation Using Two Different Phase Change Materials", is presented in International Mechanical Engineering Congress-2014 (IMEC-2014), held on 13th – 15th June, 2014, at National Institute of Technology, Tiruchirappalli.
8. K.Vijaya Kumar Reddy, Naga Sarada Somanchi, Hima Bindu Banoth and **Ravi Gugulothu** (2014), "Experimental Investigation on Performance Evaluation of A Single Basin Solar Still Using Different Energy Absorbing Materials", is presented in ASME 2014, 8th International Conference on Energy Sustainability, held on 30th June, 2014 to 2nd July, 2014 at Boston, MA, USA.
9. K.Vijaya Kumar Reddy, Naga Sarada Somanchi, Bellam Sudheer Premkumar, Hima Bindu Banoth, **Ravi Gugulothu** and Bellam Samuel Naveen (2014), "Experimental Study of Solar Water Distillation Using Epsom Salt as Phase Change Material", is presented in "4th International Conference on Hydrology and Watershed Management (ICHWAM-2014)", Organized by Centre for Water Resources, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad, Telangana State, India, held on 29th October to 1st November, 2014.
10. **Ravi Gugulothu**, Naga Sarada Somanchi, R Sri Rama Devi and Devender Vilasagarapu (2014), "Experimental Study of Solar Still with Energy Storage Material", is presented in "International Conference on Industrial, Mechanical and Production Engineering: Advancements and Current Trends", Organizes by Department of Mechanical Engineering, Maulana Azad National Institute of Technology (MANIT), Bhopal, Madhya Pradesh, held on 27th to 29th November, 2014.
11. **Ravi Gugulothu**, Naga Sarada Somanchi, R Sri Rama Devi and Kishan Banothu (2014), "Solar Water Distillation Using Three Different Phase Change Materials", is presented in "International Conference on Advances in Design & Manufacturing", held on 5th – 7th December, 2014 at NIT Tiruchirappalli, Tamil Nadu, India.
12. Naga Sarada Somanchi, Sri Rama Devi Rangisetty, Sudheer Prem Bellam, **Ravi Gugulothu** and Samuel Bellam (2014), "Experimental Investigations on Heat Transfer Enhancement in A Horizontal Tube Using Converging and Diverging Conical Strip Inserts", is presented in "ASME 2014 Gas Turbine India Conference" presented by the ASME International Gas Turbine Institute, New Delhi, India. Held on 15th – 17th December, 2014.
doi.org/10.1115/GTINDIA2014-8287.
13. Naga Sarada Somanchi, Sri Rama Devi R and **Ravi Gugulothu** (2014), "Experimental Investigations on Heat Transfer Enhancement in A Horizontal Tube Using Converging and Diverging Conical Strip Inserts", is presented in "Sixth International Conference on Theoretical, Applied, Computational and Experimental Mechanics (6th ICTACEM)-2014" Organized by Indian Institute of Technology, Kharagpur, West Bengal, India. Held on 29th – 31st December, 2014.
14. Naga Sarada Somanchi, Anjaneya Prasada B, **Ravi Gugulothu**, Ravi Kumar Nagula and Sai Phanindra Dinesh K (2015), "Performance of Solar Still with Different Phase Change Materials", is presented in "International Conference on Energy Systems and Developments (ICESD-2015)". Organized by Trinity College of Engineering and Research, Pune, Maharashtra, India, during 11th- 13th February, 2015.
15. **Ravi Gugulothu**, Naga Sarada Somanchi, Sri Rama Devi R and Hima Bindu Banoth (2015), "Experimental Investigations on Performance Evaluation of A Single Basin Solar Still Using Different Energy Absorbing Materials", is presented "International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE)-2015", Organized by National Institute of Technology Surathkal (NIT K), Mangalore, Karnataka, during 12th -14th March, 2015.
16. **Ravi Gugulothu**, Naga Sarada Somanchi, Devender Vilasagarapu and Hima Bindu Banoth (2015), "Solar Water Distillation Using Three Different Phase Change Materials", is presented in 4th International Conference on Materials Processing and Characterization (ICMPC-2015)" Organized by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, in association with Materials Today: Proceedings, ELSEVIER Journal. During 14th -16th March, 2015.
17. Laxmana Swamy, B.Sudheer Prem kumar, K.Vijaya Kumar Reddy, Aruna Kumari.A, Bellam Samuel Naveen and **Ravi Gugulothu** (2015), "Performance and Analysis of Diesel Engine at Various Injection Timings Under Various Cooling Rates During Shorter Injection Period", is presented in 4th International Conference on Materials Processing and Characterization (ICMPC-2015)" Organized by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, in association with Materials Today: Proceedings, ELSEVIER Journal. During 14th -16th March, 2015.

18. **Ravi Gugulothu**, Naga Sarada Somanchi, K.vijaya Kumar Reddy and Devender Gantha (2015), "A Review on Solar Water Distillation Using Sensible and Latent Heat", is presented in "International Conference on Global Challenges, Policy Framework & Sustainable Development for Mining of Mineral and Fossil Energy Resources: 2015-20", Organized by Department of Mining Engineering, National Institute of Technology Karnataka, Surathkal, India, during 17th- 18th April, 2015.
19. **Ravi Gugulothu**, Naga Sarada Somanchi, Hima Bindu Banoth and KishanBanothu (2015), "A Review on Solar Powered Air Conditioning System", is presented "International Conference on Global Challenges, Policy Framework & Sustainable Development for Mining of Mineral and Fossil Energy Resources: 2015-20", Organized by Department of Mining Engineering, National Institute of Technology Karnataka, Surathkal, India, during 17th-18th April, 2015. doi: [10.1016/j.proeps.2015.06.073](https://doi.org/10.1016/j.proeps.2015.06.073).
20. K.Vijaya Kumar Reddy, Naga Sarada Somanchi, Rangisetty Sri Rama Devi and **Ravi Gugulothu** (2015), "Heat Transfer Enhancement in a Double Pipe Heat Exchanger Using Nano Fluids", is presented in 17th ISME Conference on Advances in Mechanical Engineering. Organized by Indian Institute of Technology Delhi, during 3rd and 4th October, 2015.
21. Naga Sarada Somanchi, Rangisetty Sri Rama Devi, **Ravi Gugulothu** and Sudheer Prem Kumar Bellam (2015), "Experimental Investigation on Augmentation of Turbulent Flow Heat Transfer in a Horizontal Tube Using Inserts", is presented in 17th ISME Conference on Advances in Mechanical Engineering. Organized by Indian Institute of Technology Delhi, during 3rd and 4th October, 2015.
22. Vijaya Kumar Reddy K, Sudheer Prem Kumar B, **Ravi Gugulothu**, Kakaraparthi Anuja and Vijaya Rao P (2017), "CFD Analysis of a Helically Coiled Tube in Tube Heat Exchanger", is presented in 5th International Conference on Materials Processing and Characterization (ICMPC-2016)" Organized by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, in association with Materials Today: Proceedings, ELSEVIER Journal. During 12th -13th March, 2016.
23. **Ravi Gugulothu**, Naga Sarada Somanchi, K Vijaya Kumar Reddy and Kavya Akkiraju (2016), "A Review on Enhancement of Heat Transfer in Heat Exchanger with Different Inserts", is presented in 5th International Conference on Materials Processing and Characterization (ICMPC-2016)" Organized by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, in association with Materials Today: Proceedings, ELSEVIER Journal. During 12th -13th March, 2016.
24. **Ravi Gugulothu**, Vijaya Kumar Reddy K, Naga Sarada Somanchi and Etukuri Lalith Adithya (2016), "A Review on Enhancement of Heat Transfer Techniques", is presented in 5th International Conference on Materials Processing and Characterization (ICMPC-2016)" Organized by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, in association with Materials Today: Proceedings, ELSEVIER Journal. During 12th -13th March, 2016.
25. **Ravi Gugulothu**, Naga Sarada Somanchi, Devendar G, Pranavi Kaluri and Neeraja Deepika (2016), "Solar Water Distillation Using Different Phase Change Materials", is presented in 5th International Conference on Materials Processing and Characterization (ICMPC-2016)" Organized by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, in association with Materials Today: Proceedings, ELSEVIER Journal. During 12th -13th March, 2016.
26. Bellam Sudheer, K. Vijaya Kumar Reddy, **Ravi Gugulothu**, V.S.S.P. Sashank Tallapragada, Manikanta Bhaviriseti (2016), "Solar Water Distillation using paraffin wax as phase change material", ASME 2016, 10th International Conference on Energy Sustainability collocated with the ASME-2016 power conference and the ASME-2016 14th International Conference on Fuel Cell Science, Engineering and Technology, 26th to 30th June, 2016, Charlotte, North Carolina, USA. doi.org/[10.1115/ES2016-59249](https://doi.org/10.1115/ES2016-59249).
27. **Ravi Gugulothu**, Naga Sarada Somanchi, K Vijaya Kumar Reddy and Jeewan V Tirkey (2016), "A Review on Baffles for Shell and Tube Heat Exchangers", Proceedings of the Asian Congress on Gas Turbines (ACGT-2016). Department of Aerospace Engineering, Indian Institute of Technology Bombay, during 14th to 16th November, 2016.
28. Naga Sarada Somanchi, Sreenivasa Rao M, **Ravi Gugulothu** and Jayakrishna P (2016), "Experimental Investigation of Heat Transfer Augmentation in a Circular Tube Using Rotating Twisted Tape Insert", Proceedings of the Asian Congress on Gas Turbines (ACGT-2016). Department of Aerospace Engineering, Indian Institute of Technology Bombay, during 14th to 16th November, 2016.
29. B Sudheer Prem Kumar, K Vijaya Kumar Reddy, **Ravi Gugulothu**, Narsing Rao P and Ravi Kumar (2016), "Experimental Study of Heat Transfer Using Hexagonal Shaped Pin Fins with Different Materials", Proceedings of the Asian Congress on Gas Turbines (ACGT-2016). Department of Aerospace Engineering, Indian Institute of Technology Bombay, during 14th to 16th November, 2016.
30. Yamini Sajja, A.V.S.S.K.S. Gupta, **Ravi Gugulothu** and B.Srinidhi (2016), "Parametric Study of Heat Recovery Steam Generator", Proceedings of the Asian Congress on Gas Turbines (ACGT-2016). Department of Aerospace Engineering, Indian Institute of Technology Bombay, during 14th to 16th November, 2016.
31. **Ravi Gugulothu**, Narsimhulu Sanke and A.V.S.S.K.S Gupta (2018), "Numerical Study of flow characteristics in shell and tube heat exchangers", Proceedings of the International Conference Numerical Heat Transfer and Fluid

Flow (NHTFF-2018), Organized by Department of Mathematics, NIT Warangal, India, during 19th to 21st January, 2018. doi.org/10.1007/978-981-13-1903-7_43.

32. **Ravi Gugulothu**, Narsimhulu Sanke, Farid Ahmed and Ratna Kumari (2020), “Numerical Study on Shell and Tube Heat Exchanger with Segmental Baffle”, International Joint Conference on Advances in Computational Intelligence (IJCACI-2020), Organized by Daffodil International University, Bangladesh; Jahangirnagar University, Bangladesh and South Asian University, India. On 20th-21st November, 2020. DOI: [10.1007/978-981-16-0586-4](https://doi.org/10.1007/978-981-16-0586-4).
33. **Ravi Gugulothu**, Narsimhulu Sanke, Farid Ahmed, Naga Sarada and M.T.Naik, “Numerical study of shell and tube heat exchanger parameters”, Proceedings of 1st International Conference on Applied Analysis, Computation and Mathematical Modelling in Engineering (AACMME-2021), Organized by Department of Mathematics, National Institute of Technology, Rourkela, held on 24th to 26th February, 2021. doi.org/10.1007/978-981-19-1824-7_6.
34. **Ravi Gugulothu**, Narsimhulu Sanke, Sahith Nagadesi and Ratna Kumari Jilugu, “Thermal hydraulic performance of helical baffle shell and tube heat exchanger using RSM Method”, Proceedings of 1st International Conference on Applied Analysis, Computation and Mathematical Modelling in Engineering (AACMME-2021), Organized by Department of Mathematics, National Institute of Technology, Rourkela, held on 24th to 26th February, 2021. doi.org/10.1007/978-981-19-1824-7_11.
35. Farid Ahmed, Muhtasim Fuad, Farhana Akter, Ravi Gugulothu, Ratna Kumari Jilugu, Syed Bahauddin Alam, and Dinesh Kumar, “Investigation of entropy and turbulence characteristics of water based Al₂O₃, TiO₂, and grapheme-oxide nanoparticles in a triangular rod array”, Materials Today: Proceedings, 2021, Volume 47, Part 11, 2021, Pages 3364-3369. doi.org/10.1016/j.matpr.2021.07.160.

NATIONAL CONFERENCE PAPERS

1. “A Review of Solar Water Distillation Techniques”, is presented in National Conference on “Renewable and Sustainable Energy” held at Jawaharlal Nehru Technological University Hyderabad, on 27th – 28th June, 2014.
2. Kursam Krishna, Sudheer Prem Kumar B, Vijaya Kumar Reddy K, Vijaya Rao P, and **Ravi Gugulothu**, “A Review of Porous-Media Combustion Technology Applied to IC Engine”, International Journal of Engineering Research, Vol.: 5, Issue: 2, 2016, pp: 491-949.
3. **Ravi Gugulothu**, Narsimhulu Sanke, Naga Sarada Somanchi and Vijaya Kumar Reddy K (2018), “A Review on Baffles in Shell and Tube Heat Exchangers”, National Conference on Advances in Mechanical Engineering and Nanotechnology (NCAMENT-2018), organized by Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, during 29th–30th June, 2018.
4. **Ravi Gugulothu**, Narsimhulu Sanke, AVSSKS Gupta and Ratna Kumari Jilugu (2018), “A Review on Helical Baffles for Shell and Tube Heat Exchangers”, National Conference on Advances in Mechanical Engineering and Nanotechnology (NCAMENT-2018), organized by Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, during 29th–30th June, 2018.
5. **Ravi Gugulothu**, Narsimhulu Sanke, Ratna Kumari Jilugu and Sri Rama Devi Rangisetty (2018), “Numerical Investigation on Heat Transfer of Helical Baffles Shell and Tube Heat Exchanger”, National Conference on Advances in Mechanical Engineering and Nanotechnology (NCAMENT-2018), organized by Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, during 29th–30th June, 2018.

ONLINE JOURNAL PAPERS

1. S. Naga Sarada, P. Ram Reddy and **Gugulothu Ravi** (2013), “Experimental Investigations on Augmentation of Turbulent Flow Heat Transfer in a Horizontal Tube Using Square Leaf Inserts”, International Journal of Emerging Technology and Advanced Engineering, Volume 3, Issue 8, August 2013, pp: 420-424. www.ijetae.com/files/Volume3Issue8/IJETA_E_0813_65.pdf
2. Naga Sarada Somanchi, Sri Rama Devi R and **Ravi Gugulothu** (2014), “Experimental Investigations on Heat Transfer Enhancement in a Horizontal Tube Using Converging and Diverging Conical Strip Inserts”, Applied Mechanics and Materials Volume 592-594, pp: 1590-1595, 2014, ISSN: 16627482. doi.org/10.4028/www.scientific.net/AMM.592-594.1590
3. S.Naga Sarada, Banoth Hima Bindu, Sri Rama Devi R and **Ravi Gugulothu** (2014), “Solar Water Distillation Using Two Different Phase Change Materials”, Applied Mechanics and Materials Volume 592-594, pp:2409-2415, 2014, ISSN: 16627482. doi.org/10.4028/www.scientific.net/AMM.592-594.2409.
4. K. Vijaya Kumar Reddy, Naga Sarada Somanchi, Hima Bindu Banoth and **Ravi Gugulothu** (2014), “Experimental Study of Solar Still with Energy Storage Materials”, ASME 2014, 12th Biennial Conference on Engineering Systems Design and Analysis, Volume 2: Dynamics, Vibration and Control; Energy; Fluids Engineering; Micro and Nano Manufacturing. Paper No. ESDA2014-20109, pp: V002T09A005. ISBN: 978-0-7918-4584-4.

5. **Ravi Gugulothu**, Naga Sarada Somanchi, R. Sri Rama Devi and Devender Vilasagarapu (2014), “Experimental Study of Solar Still with Energy Storage Material”, *Journal of Sustainable Manufacturing and Renewable Energy*, Volume 3, Number 1-2, 2014. ISSN: 2153-6821, Nova Science Publishers, Inc.
6. Naga Sarada Somanchi, Sri Rama Devi Rangisetty, Sudheer Prem Kumar Bellam, **Ravi Gugulothu** and Samuel Bellam (2014), “Experimental Investigations on Heat Transfer Enhancement in a Horizontal Tube Using Converging and Diverging Conical Strips”, ASME 2014 Gas Turbine India Conference, New Delhi, India, December 15th- 17th, 2014, ISBN: 978-0-7918-4964-4. [doi:10.1115/GTINDIA2014-8287](https://doi.org/10.1115/GTINDIA2014-8287).
7. **Ravi Gugulothu**, Naga Sarada Somanchi, Sri Rama Devi R and Hima Bindu Banoth (2015), “Experimental Investigations on Performance Evaluation of a Single Basin Solar Still Using Different Energy Absorbing Materials”, *Aquatic Procedia* 4(2015) 1483-1491. [doi: 10.1016/j.aqpro.2015.02.192](https://doi.org/10.1016/j.aqpro.2015.02.192).
8. **Ravi Gugulothu**, Naga Sarada Somanchi, K.Vijaya Kumar Reddy and Devender Gantha (2015), “A Review on Solar Water Distillation Using Sensible and Latent Heat”, proceedings of “International Conference on Global Challenges, Policy Framework & Sustainable Development for Mining of Mineral and Fossil Energy Resources: 2015-20”, *Procedia Earth and Planetary Science* 11 (2015), pp:354-360. [doi: 10.1016/j.proeps.2015.06.072](https://doi.org/10.1016/j.proeps.2015.06.072).
9. **Ravi Gugulothu**, Naga Sarada Somanchi, Hima Bindu Banoth and Kishan Banoth (2015), “A Review on Solar Powered Air Conditioning System”, proceedings of “International Conference on Global Challenges, Policy Framework & Sustainable Development for Mining of Mineral and Fossil Energy Resources: 2015-20”, *Procedia Earth and Planetary Science* 11(2015), pp:361-367. doi.org/10.1016/j.proeps.2015.06.073.
10. Naga Sarada Somanchi, Anjaneya Prasad B, **Ravi Gugulothu**, Ravi Kumar Nagula and Sai Phanindra Dinesh K (2015), “Performance of Solar Still with Different Phase Change Materials”, *International Journal of Energy and Power Engineering*, 2015; 4(5-1): 33-37. ISSN: 2326-960X. [doi: 10.11648/j.ijepes.2015040501.15](https://doi.org/10.11648/j.ijepes.2015040501.15).
11. **Ravi Gugulothu**, Naga Sarada Somanchi, Devender Vilasagarapu and Hima Bindu Banoth (2015), “Solar Water Distillation Using Three Different Phase Change Materials”, 4th International Conference on Materials Processing and Characterization, *Materials Today: Proceedings* 2(2015), 1868-1875. doi.org/10.1016/j.matpr.2015.07.137.
12. Laxmana Swamy, B.Sudheer Prem kumar, K.Vijaya Kumar Reddy, Aruna Kumari.A, Bellam Samuel Naveen and **Ravi Gugulothu** (2015), “Performance and Analysis of Diesel Engine at Various Injection Timings under Various Cooling Rates during Shorter Injection Period”, 4th International Conference on Materials Processing and Characterization, *Materials Today: Proceedings* 2(2015), 1672-1681. doi.org/10.1016/j.matpr.2015.07.095.
13. **Ravi Gugulothu**, Naga Sarada Somanchi, Devendar G, PranaviKaluri and Neeraja Deepika (2017), “Solar Water Distillation Using Different Phase Change Materials”, 5th International Conference of Materials Processing and Characterization (ICMPC-2016), *Materials Today: Proceedings* 4 (2017), pp: 314-321. doi.org/10.1016/j.matpr.2017.01.027.
14. **Ravi Gugulothu**, Naga Sarada Somanchi, K.Vijaya Kumar Reddy and Kavya Akkiraju (2017), “A Review on Enhancement of Heat Transfer in Heat Exchanger with Different Inserts”, 5th International Conference of Materials Processing and Characterization (ICMPC-2016), *Materials Today: Proceedings* 4 (2017), pp: 1045-1050. doi.org/10.1016/j.matpr.2017.01.118.
15. **Ravi Gugulothu**, Vijaya Kumar Reddy.K,Naga Sarada Somanchi, and Etukuri Lalith Adithya (2017), “A Review on Enhancement of Heat Transfer Techniques”, 5th International Conference of Materials Processing and Characterization (ICMPC-2016), *Materials Today: Proceedings* 4 (2017), pp: 1051-1056. doi.org/10.1016/j.matpr.2017.01.119.
16. Vijaya Kumar Reddy.K, Sudheer Prem Kumar B, **Ravi Gugulothu**, Kakaraparathi Anuja and Vijaya Rao P (2017), “CFD Analysis of a Helically Coiled Tube in Tube Heat Exchanger”, 5th International Conference of Materials Processing and Characterization (ICMPC-2017), *Materials Today: Proceedings* 4 (2017), pp: 2341-2349. doi.org/10.1016/j.matpr.2017.02.083.
17. **Ravi Gugulothu**, Narsimhulu Sanke, AVSSSKS Gupta and Ratna Kumari Jilugu, “A Review on Helical Baffles for Shell and Tube Heat Exchangers”, *International Journal of Modern Engineering and Research Technology*, Volume 5, Special Issue, June 2018, pp: 129-139, ISSN: 2348-8565.
18. **Ravi Gugulothu**, Narsimhulu Sanke, and Ratna Kumari Jilugu and Sri Rama Devi Rangisetty, “Numerical Investigation on Heat Transfer of Helical Baffles Shell and Tube Heat Exchangers”, *International Journal of Modern Engineering and Research Technology*, Volume 5, Special Issue, June 2018, pp: 155-160, ISSN: 2348-8565.
19. **Ravi Gugulothu**, Narsimhulu Sanke and A.V.S.S.K.S Gupta (2018), “Numerical Study of Heat Transfer Characteristics in Shell and Tube Heat Exchanger”, *Lecture Notes in Mechanical Engineering: Numerical Heat Transfer and Fluid Flow*, Edited by Srinivasacharya D and K. Srinivas Reddy. [10.1007/978-981-13-1903-7_43](https://doi.org/10.1007/978-981-13-1903-7_43).

20. Shankar Goud B, Ratna Kumari Jilugu, **Ravi Gugulothu** and K.Shiva Kumar (2019), “Effects of the Thermal Radiation on the Boundary Layer Flow over an Exponentially Stretching Sheet in the Presence of Viscous Dissipation”, International Journal of Modern Engineering and Research Technology, Volume 6, Issue 1, January 2019, ISSN: 2348-8565 (Online).
21. Farid Ahmed, Md Minaruzzaman Sumon, Muhtasim Fuad, **Ravi Gugulothu**, and AS Mollah, “Numerical Simulation of Heat exchanger for analyzing the performance of parallel and counter flow”, WSEAS Transactions on Heat and Mass Transfer. DOI: [10.37394/232012.2021.16.17](https://doi.org/10.37394/232012.2021.16.17).
22. Ravi Gugulothu and Narsimhulu Sanke, “Use of segmental baffle in shell and tube heat exchanger for nano emulsions”, Heat Transfer, Wiley Journal, 2022, pp: 1-22. doi: [10.1002/htj.22418](https://doi.org/10.1002/htj.22418).
23. Ravi Gugulothu and Narsimhulu Sanke, “Effect of helical baffles and water based Al₂O₃, CuO and SiO₂ nanoparticles in the enhancement of thermal performance for shell and tube heat exchanger”, Heat Transfer, Wiley Journal, 2022; pp: 1-26. doi.org/10.1002/htj.22474.
24. **Ravi Gugulothu**, Narsimhulu Sanke, Naga Sarada Somanchi, Vikas Normalla, Farhana Akter, and B D Y Sunil, “A numerical study of water based nanofluids in shell and tube heat exchanger”, Energy Harvesting and Systems, 2023. 10.1515/EHS-2022-0155.
25. Lalitha Krishna Nitturi, Venkata Kusuma Soumya Kapu, **Ravi Gugulothu**, Aparna Kaleru, Vinay Vuyyuri, and Ahmed Farid, “Augmentation of heat transfer through passive techniques”, Journal of Heat Transfer, Wiley Publishers, 2023. doi: [10.1002/htj.22877](https://doi.org/10.1002/htj.22877).
26. **Ravi Gugulothu** and Narsimhulu Sanke, “Experimental investigation of heat transfer characteristics for a shell and tube heat exchanger”, Energy Harvesting and Systems, Walter De Gruyter publishers, 2023, DOI: [10.1515/EHS-2022-0147](https://doi.org/10.1515/EHS-2022-0147).

BOOK CHAPTERS

1. **Ravi Gugulothu**, Narsimhulu Sanke and A.V.S.S.K.S Gupta (2018), “Numerical Study of flow characteristics in shell and tube heat exchangers”, Proceedings of the International Conference Numerical Heat Transfer and Fluid Flow (NHTFF-2018), Organized by Department of Mathematics, NIT Warangal, India, during 19th to 21st January, 2018.
2. **Ravi Gugulothu**, Narsimhulu Sanke, Farid Ahmed and Ratna Kumari (2020), “Numerical Study on Shell and Tube Heat Exchanger with Segmental Baffle”, Proceedings of International Joint Conference on Advances in Computational Intelligence. DOI: [10.1007/978-981-16-0586-4](https://doi.org/10.1007/978-981-16-0586-4), ISBN: 978-981-16-0585-7, ISSN: 2524-7565, e-Book ISBN: 978-981-16-0586-4.
3. Ravi Gugulothu, Narsimhulu Sanke, Farid Ahmed, Naga Sarada Somanchi, and M.T. Naik, “Numerical investigation of baffle spacing in a shell and tube heat exchanger with segmental baffle”, Applied Analysis, Computation and Mathematical Modelling in Engineering, Lecture Notes in Electrical Engineering 897, pp: 83-98. doi.org/10.1007/978-981-19-1824-7_6.
4. Ravi Gugulothu, Narsimhulu Sanke, Sahith Nagadesi, and Ratna Kumari Jilugu, “Thermal hydraulic performance of helical baffle shell and tube heat exchanger using RSM Method”, Applied Analysis, Computation and Mathematical Modelling in Engineering, Lecture Notes in Electrical Engineering 897, pp: 167-187. doi.org/10.1007/978-981-19-1824-7_11.

CONFERENCE ATTENDED

1. Participated in the “2nd International Conference on Recent Advances in Design, Development and Operation of Micro Air Vehicles (ICRAMAV-2013)” during 21st to 23rd November-2013 at Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad, Telangana State, India.
2. Participated in the “First International Conference on Rough Sets and Knowledge Technologies (ICRSKT 2014)”, during 9th to 11th November-2014 at Department of Computer Science & Engineering, JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, Telangana State, India.
3. Participated in the “International Conference on Advanced Materials and Manufacturing Technologies (AMMT-2014)”, during 18th-20th December-2014. Conducted by Department of Mechanical Engineering, JNTUH College of Engineering, Kukatpally, Hyderabad.

WORKSHOPS ATTENDED

1. Participated in a one week workshop on “Solid works software” conducted by Department of Mechanical Engineering, JNTU College of Engineering Hyderabad, from 28th January 2013 to 2nd February 2013.

2. Participated in a one day national workshop on “Advanced trends in IC engines and combustion” conducted by Department of Mechanical Engineering, JNTUH College of Engineering Hyderabad. On 28th February 2013.
3. Participated in a five day workshop on “Navigating New Frontiers in Materials (NNFM)” conducted by Department of Metallurgical and Materials Engineering, National Institute of Technology Warangal, Sponsored by Technical Education Quality Improvement Program (TEQIP-II) from 2nd to 6th July, 2013.
4. Participated in a five day training programme on “Energy Auditor Course”, conducted by National Productivity Council at Hyderabad, from 22nd July 2013 to 26th July 2013.
5. Participated in a two day workshop on “Recent Trends in Manufacturing (RTM-2013)”, organized by The Department of Mechanical Engineering at Chaitanya Bharathi Institute of Technology, during 29th July 2013 and 30th July 2013.
6. Participated in “1st International workshop on the Role of thermodynamics in Engineering and Environment (I WRTEE-2013)”, conducted by Department of Mechanical Engineering at Sagar Institute of Technology, on 31st July 2013.
7. Participated in a five day MATLAB based workshop on “Computational Research Techniques in Design and Thermal Engineering (CRT 2013)”, organized by the Department of Mechanical Engineering at National Institute of Technology Warangal, Sponsored by Technical Education Quality Improvement Program (TEQIP-II) during 7th August 2013 to 11th August 2013.
8. Participated in a two day National Seminar on “Futuristic Trends of Nano-composites and Their Fabrication”, conducted by Department of Mechanical Engineering, R.V.R & J.C College of Engineering, Guntur, Sponsored by Department of Science & Technology, Government of India, during 6th and 7th September 2013.
9. Participated in a three day “Orientation Course”, conducted by JNTUH College of Engineering Hyderabad, held from 12th to 14th September, 2013 under Sponsored by Technical Education Quality Improvement Program (TEQIP-II).
10. Participated in one day workshop on “Energy Conservation and Management” conducted by Centre for Energy Studies, Department of Mechanical Engineering, JNTUH College of Engineering Hyderabad, on 20th December, 2013, Under Sponsored by Technical Education Quality Improvement Program (TEQIP-II).
11. Participated in the AICTE sponsored Faculty Development Programme on “Renewable Energy Sources -Integration to Power System”, organized by the Department of Electrical and Electronics Engineering, Jayamukhi Institute of Technological Science, Warangal, from 25th November, 2013 to 7th December, 2013.
12. Participated in a two day International Workshop on “Advances in Thermal Power Generation Systems”, conducted by Department of Mechanical Engineering, Vardhaman College of Engineering, held on 27th and 28th December, 2013.
13. Participated in the Faculty Development Programme on “Managing Intellectual Property and enabling Non Linear Growth”, held on 1st February, 2014 at JNTUH College of Engineering Hyderabad, Andhra Pradesh.
14. Participated in one week workshop on “Thermal Aspects in Manufacturing Processes” conducted by Department of Mechanical Engineering, JNTUH College of Engineering Hyderabad, during 2nd to 7th May, 2014 under SAP-UGC Project.
15. Attended the Two Days workshop on “Mentoring Skills and Thinking Skills for Engineering Faculty”, conducted by JNTUH College of Engineering Hyderabad, held on 18th to 19th July-2014.
16. Participated in the Pre-Conference Workshop on “Composite Materials”, held at National Institute of Technology Tiruchirappalli on 4th December, 2014.
17. Attended “Faculty Development Programme on Entrepreneurship”, organized by Entrepreneurship Development Cell, JNTUH College of Engineering Hyderabad in Association with Malla Reddy Engineering College, during 23rd June, 2015 to 07th July, 2015.
18. Attended the “Awareness Workshop on Outcome Based Education and Accreditation” held at JNT University Hyderabad, Kukatpally, Hyderabad on 14th September, 2015.
19. Participated Faculty Development Program on Industrial Practices of “Production Technology and Metrology”, jointly organized by Department of Mechanical Engineering (ME), University Engineering College, JNTUH Hyderabad, Osmania University College of Engineering Hyderabad and Sreenidhi Institute of Science and Technology, Hyderabad, during 4th and 5th December, 2015.

20. Attended a Workshop on “Lithium Ion Battery Technology and Mathematical Modeling”, Organized by Department of Metallurgical and Materials Engineering, Indian Institute of Technology Kharagpur from 16th to 18th May, 2016.
21. Participated in a “TEQIP-III Sponsored workshop on NBA Accreditation”, Organized by Engineering Staff College of India at UGC HRD Auditorium JNTUH Kukatpally, Hyderabad, during 14th to 16th December-2017.
22. Participated in a workshop “To Train the Trainers for Implementation of Induction Program” in the affiliated colleges of JNTUH, Organized by JNTUH under TEQIP-III, during 17th to 19th May, 2018.
23. Participated in a workshop on “Connect Engineers to MEP Industry”, Organized by University Industry Interaction Centre (UIIC), Jawaharlal Nehru Technological University Hyderabad on 15th September, 2018.
24. Participated in a Two days National workshop on “Preparing for NBA Accreditation & SAR filling”, Organized by Department of Mechanical Engineering at JNTUH College of Engineering Hyderabad on 18th to 19th February-2019.
25. Attended a 3-Day Workshop on “**MATLAB applications in Mechanical Engineering**”, Organized by Department of Mechanical Engineering, JNTUH College of Engineering Hyderabad under TEQIP-III on 13th to 15th May, 2019.
26. Attended a Two Day National Workshop on “**NBA-Outcome Based Education & SAR Filling**”, Jointly organized by JNTU Hyderabad & RTU Kota, Rajasthan Under Sponsored by TEQIP-III (ATU), during 24th and 25th May, 2019.
27. Participated in a “**Symposium on Emerging Technologies: Curriculum, Industry and Policy**”, organized by JNT University Hyderabad, Kukatpally, Hyderabad, held on 2nd August, 2019.
28. Successfully completed the module “**How to prepare your manuscript**” on 05th April, 2020, conducted by Researcher Academy, Elsevier Publishers (Presented by Anthony Newman).
29. Successfully completed the module “**Structuring your article correctly**” on 06th April, 2020, conducted by Researcher Academy, Elsevier Publishers (Presented by Anthony Newman).
30. Successfully completed the module “**How to Write an Abstract and Improve your article**” on 7th April, 2020 Conducted by Researcher Academy, Elsevier Publishers, Presented by Hannah Foreman.
31. Successfully completed the module “**Fundamentals of Manuscript Preparation**” on 08th April, 2020 Conducted by Researcher Academy, Elsevier Publishers.
32. Successfully completed the module “**Writing a persuasive cover letter for your manuscript**” on 09th April, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Anthony Newman, Lora Heisler.
33. Successfully completed the module “**How to turn your thesis into an article**” on 09th April, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Adolfo Cuevas, Cecily L. Betz.
34. Successfully completed the module “**10 tips for writing a truly terrible journal article**” on 24th April, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Bert Blocken.
35. Successfully completed the module “**How to write a helpful peer review report**” on 15th May, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Zoe Mullan.
36. Successfully completed the module “**The comments to editors and decision recommendations**” on 16th May, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Bert Blocken.
37. Successfully completed the module “**How to peer review a review article**” on 17th May, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Matt Pavlovich.
38. Successfully completed the module “**How to prepare your manuscripts for publication in top journals**” on 07th June, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Dr. Kavitha Scranton.
39. Successfully completed the module “**How to Publish in High Impact Journals**” on 08th June, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Dr. Robert Eagling and Dr. Rebecca Cooney.
40. Successfully completed the module “**Must know tips for publishing in premium journals**” on 10th June, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Dr. Philip Earis.
41. Successfully completed the module “**Learn from the Editors-Tips for impactful submissions**” on 11th June, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Ella Hinson and Dr. Rebecca Cooney.
42. Successfully completed the module “**Techniques for publishing in transformative ground breaking journals**” on 13th June, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Dr. Lewis Collins.
43. Successfully completed the module “**Strengthening Research Capabilities Remotely**”, on 19th June, 2020, conducted by Research Academy, Elsevier Publishers, Presented by Prof. Sudhanshu Vрати, Prof. Gagandeep Kang, Dr. Alka Sharma and Dr. Rituparna Chakrabarti.
44. Successfully completed the module “**Plagiarism**” on 25th June, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Catriona Fennell.

45. Successfully completed the module “**Authorship**” on 28th June, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Catriona Fennell.
46. Successfully completed the module “**Content Ownership**” on 29th June, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Christiaan Van Vliet.
47. Successfully completed the module “**Why you can't afford to ignore publication ethics**” on 30th June, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Catriona Fennell.
48. Successfully completed the module “**Demystifying permissions**” on 01st July, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Hop Wechsler.
49. Successfully completed the module “**Plagiarism: Decision making & dealing with grey zones across academic Fields**”, on 02nd July, 2020, conducted by Researcher Academy, Elsevier Publishers, Presented by Michael Seadle, Thorsten Beck and Melanie Rugenhagen on 25th June, 2020.
50. Attended the webinar “**Enhance Your Knowledge on Research Basics: An Initiative of SLIIT & Elsevier**” at Sri Lanka Institute of Information Technology (SLIIT) on 28th July, 2020. Presented by Vishal Gupta and Pranav Shukla.
51. Successfully completed the module “**How to promote your research for maximum impact**” on 02nd August, 2020, conducted by Researcher Academy, Elsevier Publishers, presented by Gwen Van der Heide.
52. Successfully completed the module “**Social Media for Researchers**” on 04th August, 2020, conducted by Researcher Academy, Elsevier Publishers, presented by Christian DeFeo.
53. Participated in a 3Day online workshop on “**Internal Quality Assurance Cell (IQAC), JNTUH College of Engineering Hyderabad**” organized by JNTUH College of Engineering Hyderabad, Under TEQIP-III, during 12th to 14th August, 2020.
54. Participated in the Webinar conducted on topic “**Boiling Heat Transfer Enhancement using compound Technique**”, organized by Department Mechanical Engineering, JNTUH College of Engineering Hyderabad under TEQIP-III on 12th September, 2020 (forenoon).
55. Participated in the Webinar conducted on topic “**Enhanced Solar Thermal Energy Conversion with Nanofluids**”, organized by Department Mechanical Engineering, JNTUH College of Engineering Hyderabad under TEQIP-III on 12th September, 2020 (Afternoon).
56. Participated & successfully completed AICTE Training (ATAL) Academy online Elementary FDP on “Novel Materials” from 22.11.2021 to 26.11.2021 at University College of Engineering, Osmania University.
57. Participated in One Week Online FDP on “Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)”, Organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna District, Andhra Pradesh on 04th to 09th July, 2022.
58. Attended a workshop on “Reviewer workshop: How to get the most out of being a reviewer of scientific articles”, at APAC Customer Success Hub Workshop, on 10th August, 2022, Presented by Dr. Biswanath Dutta Publisher, Prof. Henrik Rudolph Editor-in-Chief, Applied Surface Science.
59. Participated in 2nd Seminar on Nano-materials and Energy Storage 2022 (NanoES2022), organized by Research Centre for Nano-Materials and Energy Technology, Sunway University, which is held on 22nd and 23rd August, 2022.
60. Attended a workshop entitled “Elsevier Empowering Engineers to become Corporate Ready Solving India Specific Grand Challenges-2022”, at Elsevier on 14th September, 2022.

SHORT TERM COURSES ATTENDED

1. Attended Five days short term course on “**Solid & Surface CAD Modeling with CAM Applications in CNC Machining**”, offered by Central Workshop and Instruments Service Section at **Indian Institute of Technology, Kharagpur**, Sponsored by **Technical Education Quality Improvement Program (TEQIP-II)**.
2. Attended Short Term Course on “**Biogas Production, Purification and Power Generation**”, Organized by Centre for Rural Development and Technology, **Indian Institute of Technology Delhi**, under the sponsorship of **Technical Education Quality Improvement Programme -II (TEQIP-II)**, held from 18th May, 2015 to 20th May, 2015.
3. Attended Short Term Course on “**Fundamentals of Finite Element Method: Overview, Theory and Concepts with Demonstrations**”, Organized by **Indian Institute of Technology Hyderabad**, during 23rd to 25th July, 2015.
4. Attended a Two Days Technical Education Quality Improvement Program (TEQIP-II) Workshop on “**Teacher Effectiveness Nurturing Well Being**”, held at **Indian Institute of Technology Hyderabad**, on 6th and 7th December, 2015.

5. Participated in a Short Term Course on “**Renewable Energy and Sustainable Development**” held at Centre for Energy and Resources Development, Department of Mechanical Engineering, **Indian Institute of Technology (BHU), Varanasi** from 18th January, 2016 to 22nd January, 2016.
6. Participated in the **TEQIP** sponsored “**International Winter School and Hands on Training Programme on Nano-Biotechniques (I Wish NanoBio: 2016)**” jointly organized by Department of Biotechnology and Centre of Excellence: Nanotechnology, **Indian Institute of Technology Roorkee**, Uttarakhand, during 9th to 14th February, 2016.
7. Attended a **AICTE** Sponsored, Quality Improvement Programme Short Term Course on “**Relevance of Nanotechnology to the Rechargeable Battery Technology**” Organized by Centre of Nanotechnology, **Indian Institute of Technology, Roorkee**, Uttarakhand, Sponsored by Technical Education Quality Improvement Program (TEQIP-II) During 18th to 22nd July, 2016.
8. Attended a Quality Improvement Programm Under **AICTE** Sponsored Short Term Course on “**Advances in Fluid Flow Control and Measurement Techniques**”, Organized by Department of Mechanical and Industrial Engineering, **Indian Institute of Technology Roorkee**, Uttarakhand, during 5th to 9th December, 2016.
9. Attended an **AICTE-QIP** Short Term Course on “**Numerical Techniques for Chemical Process Simulations**”, A Continuing Education Programme of **Indian Institute of Technology, Kharagpur**, Organized by Department of Chemical Engineering, **Indian Institute of Technology, Kharagpur**, during 20th to 26th November-2017.
10. Attended a Short Term Course on “**Engineering Research Methodology (ERM-2018)**” held in the Department of Mechanical Engineering, **University College of Engineering Osmania University, Hyderabad**, Telangana State, during 18th to 22nd June, 2018.
11. Participated in the **AICTE** sponsored Five Day Faculty Development Programme on “**Programming for Problem Solving-A Pedagogical Approach**”, Organized by UGC-Human Resource Development Centre, **Jawaharlal Nehru Technological University Hyderabad**, Telangana State, held from 22nd to 26th July, 2019.
12. Attended a Short Term Course on “**CFD and Experiments on Fluid-Structure Interactions for Both Rigid and Elastic Materials**”, Organized by Department of Aerospace Engineering, **Indian Institute of Technology Kharagpur**, from 14th to 18th October, 2019.
13. Participated in a Short Term Course on “**Energy Conversion and Storage**”, Organized by Department of Chemical Engineering, **Indian Institute of Technology Hyderabad**, during 2nd to 7th December, 2019.
14. Attended a Short Term Course on “Infrastructure: Ongoing Developments in Research and Industry”, Organised by Department of Civil Engineering, Dr. B.R Ambedkar National Institute of Technology, Jalandhar, on 09th to 13th June, 2023.

REVIEWED JOURNALS

Reviewer for several journals like,

| S. No. | Name of the Journal | No. of papers reviewed |
|----------------------------|--|------------------------|
| 1. | International Journal of Energy Conversion and Management | |
| 2. | International Journal of Innovative Food Science & Emerging Technologies | 01 |
| 3. | International Journal of Applied Thermal Engineering | 08 |
| 4. | Energy Sources, Part A: Recovery, Utilization and Environmental Effects | 04 |
| 5. | Materials Today Proceeding | 10 |
| 6. | International Journal of Energy | 53 |
| 7. | International Journal of Environmental Science and Pollution Research | 04 |
| 8. | International Journal of Engineering Research in Africa (JERA) | 03 |
| 9. | Journal of Heat Transfer, Wiley publication | 02 |
| 10. | Energy Harvesting and Systems (EHS) | 02 |
| 11. | International Journal of Results in Engineering | 01 |
| 12. | Energy Reports | 01 |
| 13. | Energy and Built Environment | 03 |
| 14. | International Journal of Heliyon | 01 |
| 15. | International Studies in Thermal Engineering | 03 |
| Conference papers reviewed | | |

| | | |
|-------|---|-----|
| 16. | 1 st International Conference in Fluid Thermal and Energy Systems (ICFTES'22), Organized by NIT Calicut | 05 |
| 17. | 2 nd International Conference on Innovations in clean Energy Technologies (ICET-2023), Organized by MANIT Bhopal | 02 |
| Total | | 103 |

OBJECTIVE

1. To be a part of a leading organization and work in a challenging position and environment where I will have opportunities to utilize my skills and abilities and nurture them.
2. To grow along with the organization by applying my Engineering knowledge.

orcid.org/0000-0003-1577-4386

Web of Science Research ID: AAK-6551-2021