

Dr. D. V. RAVI SHANKAR

Principal & Professor,

Department of Mechanical Engineering.

TKR COLLEGE OF ENGINEERING & TECHNOLOGY

Medbowli, Meerpet, Saroor Nagar (Mandal), Hyderabad-500097



I. CAREER OBJECTIVES

1. To setup a good institution - industry interaction.
2. To inculcate innovative thinking in students through live projects.
3. To train the students with practical orientation to suit the global requirements.
4. Would like to contribute to the field of polymer composites technology.
5. Establishing technologies to provide know how to enterprises.

II. ACADEMIC QUALIFICATIONS:

1. **Ph.D. (Mechanical Engineering)** from Jawaharlal Nehru Technological University, Hyderabad, in 2010. Title is “**Critical Analysis and Utilization of Certain Fibre Reinforced Polymers for Engineering Applications**” under the guidance of **Dr. P. RAM REDDY**, former Registrar JNTU, Hyderabad.
2. **M. Tech. (Materials Engineering)** from Regional Engineering college, Surathkal, Affiliated to Mangalore University, Mangalore, secured first class in 1994. Title is “**Designing, manufacturing and testing of CFRP ring for spacecraft main structure**” at ISRO, Bangalore.
3. **A.M.I.E. (Mechanical Engineering)** from Institution of Engineers (India) in 1987

III. EXPERIENCE: 30 Years.

	Industry / Intuition	Date of joining / Establishing date	Date of reliving/ Date of reliving/	Duration
Self Entrepreneur	Bharat Glass Fibre Reinforced Polymer, Machilipatnam, A.P, India.	1 st December 1987	27 th April 1991	3 Years, 4 Months.
Industry	Incon Engineers Limited, Hyderabad, A.P, India.	1 st September 1994.	15 June 1996.	1 Year, 10 Months.
	Enviro Clean Systems Limited, Hyderabad, A.P, India.	June, 1996	14 th Dec, 1997	1 Year, 6 Months.
Total Industrial experiences:				6 Years, 8 Months.
Academics	TKR College of Engineering and Technology	1 st June 2013	Till Date	8 Year.
	GITA Bhubaneswar , Orissa	21 st July 2012	31 st May 2013	10 Months.
	Nizam Institute of Engineering and Technology, Deshmukhi, Hyderabad, A.P, India.	01 st July 2005	20 th July 2012	7 Years.
	Vijay Rural Engineering College, Nizamabad	10 th January 1999	30 th June 2005	6 Years, 6 Months.
	Vasavi College of Engineering, Hyderabad	20 th Dec 1997	20 th January 1999	1 Year.

Total Academics experiences:	23 Years, 4 Months.
<u>Total Industrial and Academics experiences:</u>	<u>30 Years.</u>

A: Academic (Teaching) Experience:

1. Presently working as Principal TKR COLLEGE OF ENGINEERING & TECHNOLOGY (Affiliated to JNTUH Medbowli, Meerpet, Saroor Nagar (Mandal), Hyderabad-500097
2. Worked as Principal and Professor in Mechanical Engineering Department at GITA Bhubaneswar , Orissa, from 21st July 2012 to 31st May 2013.
3. Worked as Principal and Professor in Mechanical Engineering Department in Nizam Institute of Engineering and Technology, Deshmukhi, Hyderabad, INDIA. Joined as Associate Professor from 01st July 2005, worked till July 2012.
4. Worked as Associate Professor in Mechanical Engineering Department from 10th January 1999 to 30th June 2005 in Vijay Rural Engineering College, Nizamabad. This service has been ratified by the affiliating university JNTU Hyderabad.
5. Worked as Lecturer in Mechanical Engineering from 20th Dec 1997 to 20th January 1999 in Vasavi College of Engineering, Hyderabad.

EXPERIENCE AS PRINCIPAL

1. **Established a BUSINESS INCUBATION CENTER at Nizam Institute of Engineering and Technology, Deshmukhi, Hyderabad, in collaboration with MSME (Government of India) and processed three business proposals of budding entrepreneurs, worth of Rs. 7.5 Lakhs each in the**

first phase and providing consultancy services for **DESIGN AND DEVELOPMENT OF FILAMENT WOUND GLASS FIBER REINFORCED POLYMER ELECTRICAL POLE**. The total project worth of about Rs. 75 lakhs (details are furnished in the annexure)

2. Motivated all Engineering departments of Nizam Institute of Engineering and Technology, Deshmukhi, Hyderabad, to participate in government of INDIA organized National Vendor Development Programme Cum Industrial Exhibition which was organized by ministry of MSME and obtained response and got 23 potential enquires which could lead to establish Institute Industry Interaction.
3. The Institution's TEQUIP-1.1 proposal is successfully submitted, obtained qualification to submitted IDP, and successfully Faced Inspection to compete to win World Bank funds for Institution development.
4. Nizam institute of engineering and technology is now selected for World Bank funding in the form of grant worth of about Rs.4 Crores. (details are furnished in the annexure)
5. Established best teaching practices to improve teaching learning processes.

B: Administrative (Academic) Experience:

1. As in charge of Examinations, in Vijay Rural Engineering College, Nizamabad from March 2000 to February 2001, (One Year)
2. As General Secretary, ISTE-Staff Chapter, Vijay Rural Engineering College, Nizamabad during, 2001-2004.

C: Managerial & Technical (Industrial) Experience:

1. Worked as Engineer Design in INCON Engineers Limited Hyderabad from 1st September 1994 to 15 June 1996.
2. Worked as Sr. Engineer Product Development in **Enviro Clean systems Limited** Hyderabad from June, 1996 to 14th December, 1997.
3. Established a small scale industry, Bharathi glass fibre reinforce polymers, at Machilipatnam, Krishna (Dt) as an ancillary to Bharath Electronics Ltd., (BEL) and managed for 3 years (1987-94).

IV. PROFESSIONAL CREDENTIALS: Publications

A: Journal papers

1. Abdul Mateen Mohammed, Rahamathbaba Sayyadh, Venkata Ravi Shankar Dasari & Manzoor Hussain Mohammed, “Stress distribution along the cruciform geometry under pure in-plane biaxial loading condition”, *Journal of the Brazilian Society of Mechanical Sciences and Engineering* volume 41, Article number: 416 (2019)
2. M.A. Mateen, Dr. D.V. Ravi Shanker, Dr. Manzoor Husain, “Effect of Geometrical Discontinuities on Strain Distribution for Orthotropic Laminates under Biaxial Loading” published in Journal of Engineering Materials and Technology, ASME, doi: 10.1115/1.4032004.
3. M.A. Mateen, Dr. D.V. Ravi Shanker, Dr. Manzoor Husain, “A Study on Influence of Inlet Pressure and Fiber Architecture on the Quality of Sample Made From VARTM” published in i-manager’s Journal on Mechanical Engineering, 8(3), 46-52. <https://doi.org/10.26634/jme.8.3.14182>.
4. M.A. Mateen, Dr. D.V. Ravi Shanker, Dr. Manzoor Husain, “Design and Development of Low Cost Two Axis Filament Winding Machine” published in Journal of Advanced Manufacturing Technology ISSN: 1985-3157 e-ISSN: 2289-8107, Vol 12, No 1 (2018).

5. Mohd Minhajuddin Saif, Dr. D.V. Ravi Shankar, Dr. Manzoor Hussain “*Experimental Study on Multiscaled GFRP Composite*” published in International Journal of Materials Science (IJMS), ISSN: 0973-4589, Vol 11, number 1-2(2016),pp. 91-97.
6. Mohd Minhajuddin Saif, Dr. D.V. Ravi Shankar, Dr. Manzoor Hussain “*Mechanical Characterization of GFRP Hybrid Composite with Nano Filler.*” Published in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET0), ISSN (Online): 2319-8753 ISSN (Print): 2347-6710 Vol. 7, Issue 8, August 2018.
7. Mohd Minhajuddin Saif, Dr. D.V. Ravi Shankar, Dr. Manzoor Hussain “*Ultra Sonic Wave Propagation Properties of GFRP Hybrid Composite with Nano Fillers.*” Published in INTERNATIONAL JOURNAL OF RESEARCH CULTURE SOCIETY, ISSN: 2456-6683, Volume - 2, Issue - 11, Nov – 2018.
8. Mohd Minhajuddin Saif, Dr. D.V. Ravi Shankar, Dr. Manzoor Hussain “*Compressive and Impact Behavior of Nanoscale Hybrid Composite Materials*” Published in Recent Trends in Mechanical Engineering pp 333-340
9. I.S.N.V.R.Prasanth, D.V.Ravishankar, M.Manzoor Hussain. “Comparative Evaluation on Surface Quality of GFRP Composites by Different End mill Tools”. International Journal of Machining and Machinability of Materials, 2017, 19(5), pp.483-504. DOI: 10.1504/IJMMM.2017.087622 (**InderScience- SCOPUS**)
10. I.S.N.V.R.Prasanth, D.V.Ravishankar, M.Manzoor Hussain. “Analysis of Milling Process Parameters and Their Influence on GFRP Composites”. International Journal of Engineering TRANSACTIONS A: Basics, 2017, 30(7), pp.1074-1080. Doi: 10.5829/ije.2017.30.07a.17. (**SCOPUS**)
11. I.S.N.V.R.Prasanth, D.V.Ravishankar, Manzoor Hussain, Vinod Sharma, Sunil Pathak Chandra and Mouli Badiganti. “Investigations on Performance characteristics of GFRP Composites in Milling”. International Journal of Advanced Manufacturing Technology, 2018, 99(5-8), pp.1351–1360. Doi:10.1007/s00170-018-2544-2. (**Springer-SCI**)
12. I.S.N.V.R.Prasanth, D.V.Ravishankar, M.ManzoorHussain, D.Ramanareddy “Performances of different mill cutters in machining of GFRP Composite Laminates”. (ICMPC_2016) Materials Today: Proceedings, 2017, 4(2), pp. 2800-2805. (**Elsevier-SCI**).

13. I.S.N.V.R.Prasanth, D.V. Ravishankar, M.Manzoor Hussain, “Critical Analysis in Milling of GFRP Composites by Various End Mill Tools”. (ICAFM_2017) Materials Today: Proceedings, 2018, 5(6), pp.14607–14617. **(Elsevier-SCI)**
14. I.S.N.V.R.Prasanth, D.V.Ravishankar, M.Manzoor Hussain, Chandra Mouli Badiganti. “Influence of Milling Process Parameters and Significance of Tools to Improve the Surface Quality of GFRP Composites”. Machining Science and Technology Vol. x, No. x, (2021) xx. Paper has been accepted with Revisions on 30th December-2020. **(Taylor & Francis Ltd-SCI)**.
15. I.S.N.V.R.Prasanth, D.V. Ravishankar, M.Manzoor Hussain, “Milling of Glass Fiber-Reinforced Plastics and Influence of Cutting Process Parameters on Cutting Forces”. GJRE Volume XV Issue V version I F, Pp.1-6, 2015 Online ISSN: 2249-4596 & Print ISSN: 0975-5861 (US) SN.
16. I.S.N.V.R.Prasanth, D.V. Ravishankar, M.Manzoor Hussain “An optimization of Machining Parameters on Cutting force and Surface Finish in Milling of Cs-GFRP”. IJEIT, Volume 4, Issue 7, pp. 98-103. January 2015. ISSN: 2277- 3754.
17. I.S.N.V.R.Prasanth, D.V. Ravishankar, M.Manzoor Hussain, D.Ramanareddy “Effect of process parameters on machinability of GFRP composite laminates by end milling”, IJLTET; volume 6 issue 4, pp. 508-512. March2016, ISSN: 2278-621X.
18. I.S.N.V.R.Prasanth, D.V.Ravishankar, M.Manzoor Hussain, D.Ramanareddy “Investigation on machinability of GFRP composites by end milling using Taguchi’s optimization technique” IJIEIT, volume 6 issue 4, Pp. 106-112. April 2016 ISSN: 2319-1058.
19. I.S.N.V.R.Prasanth, D.V.Ravishankar, M.Manzoor Hussain, “Experimental investigation on comparison of the surface quality on various GFRP composites during end milling by control process parameters”. IOSR-JMCE e ISSN: 2278-1684, ISSN: 2320-334X, Volume13, Issue 3 Ver. 1(May-June 2016), pp. 27-33. DOI: 10.9790/1684-1303012733.

20. I.S.N.V.R.Prasanth, D.V.Ravishankar, M.Manzoor Hussain, ‘‘Machinability Characterization in Milling of GFRP Composites by Taguchi’s Technique’’. JCPS, Volume 10, Issue 2, pp.1034-1040. April-June-2017. ISSN: 0974-2115.
21. Mrs. K. Vijayasree, Dr. Ravi Shankar D.V, Dr. P. Ram Reddy, ‘‘Effect of winding angle and failure analysis of struts made of filament wound glass epoxy polymer’’ IOSR Journal of Mechanical and civil engineering(IOSR - JMEC) e - ISSN : 2278 - 1684 , p - ISSN : 2320 -334X , Volume 13,issue 4 Ver.1(July-Aug 2016),PP 00-00.page no.1-5.
22. Mrs. K. Vijayasree, Dr. Ravi Shankar D.V, Dr. P. Ram Reddy, ‘‘Design and identification of Better Orientation sequence and stacking of filament wound Glass Epoxy Struts’’ Ird India , ISSN (Print) : 2319 -3182.Volume-5, Issue – s , 2016.page no.1-5.
23. Mrs. K. Vijayasree, Dr. Ravi Shankar D.V, Dr. P. Ram Reddy, ‘‘Influence of winding angle of filament wound glass epoxy struts under compressive loading by stress – strain analysis’’, IJEST - ISSN: 0975 -5462, volume 9,No.08 Aug 2017.page no-863-868.
24. Mrs. K. Vijayasree, Dr. Ravi Shankar D.V., Dr. P. Ram Reddy, ‘‘Stress-strain analysis of filament wound glass epoxy struts under compressive loading’’ International journal on recent researches in Science, Engineering & Technology, ISSN-2347-6729,volume5,issue9, September 201.JIR IF:2.54,DIIF IF:1.46,SJIF IF4.33.pageno-37- 45.
25. Mrs. K. Vijayasree, Dr. Ravi Shankar.D.V, Dr. P. Ram Reddy, ‘‘Critical Analysis of filament wound struts under compression loading with one end fixed other end free condition’’ IJSART - Volume 5,issue 6 - June 2019.ISSN-2395- 1052.page no-800-805.
26. K. Naveena Latha, Dr.P.Ram Reddy and Dr. Ravi Shankar,‘‘Advanced Non Chemical Water Treatment Process for TDS Reduction in Cooling Tower – Specific Study on Calcium, Magnesium & Sulphates’’, International Journal of Applied Engineering Research, vol. 13, **2018**, pp 7673-7679.

27. K. Naveena Latha, Dr.P.Ram Reddy and Dr. Ravi Shankar,” Design Of Cavitation Chamber For Non-Chemical Water Treatment”, International Journal of Advanced Engineering Research and Technology (IJAERT),**2018**,vol.6, Issue 4, pp.215-224.
28. K. Naveena Latha, Dr.P.Ram Reddy and Dr. Ravi Shankar,” Non- Chemical water Treatment Process for TDS Reduction in cooling Tower Specific Study on Electrical Conductivity & Turbidity” International Journal of Mechanical and production Engineering Research and Development (IJMPERD) ISSN(P):2249-6890,ISSN(E):2249-8001,Vol 8,Issue 6, **December 2018**,151-158, *Scopus journal*
29. K.Naveena Latha,Dr.P.Ram Reddy and Dr.Ravi Shankar,“InitiationAnd Enhancement of Precipitation Formation By Vortex Mechanisium”, International journal of mechanical engineering application research(IJMEAR),Vol. 4,Issue 01,March 2013 , pp 234-237.
30. K. Naveena Latha, Dr.P.Ram Reddy and Dr. Ravi Shankar, “Design & Development Of Mechanized Dissolved Salt Concentration Regulator” Journal Of Mechanical And Civil Engineering (JMCE),**2016**,Vol.13,Issue 6,pp 80-86.
31. K. Naveena Latha, Dr.P.Ram Reddy and Dr. Ravi Shankar,” Reducing Of Scalling In A Cooling Tower By Aeration Process” International Journal Of Engineering Studies, vol.8 , **2016**, pp 259-275,ISSN 0975-6469.
32. Phaneendra Kumar KOPPARTHI, Vengal Rao KUNDAVARAPU, Venkata Ravishankar DASARI , Bhaskara Rao PATHAKOKILA, “Determination of flow front velocity and optimal injection pressures for better impregnation of E-glass with polyester in resin transfer mold” INCAS BULLETIN, Volume 11, Issue 3/ 2019, pp. 87 – 98 (P) ISSN 2066-8201, (E) ISSN 2247-4528, DOI: 10.13111/2066-8201.2019.11.3.8.

33. Phaneendra Kumar Kopparthi, Vengal Rao Kundavarapu, Venkata Ravishankar Dasari, Venkata Rao Kaki, Bhaskara Rao Pathakokila, "Modeling of glass fiber reinforced composites for optimal mechanical properties using teaching learning based optimization and artificial neural networks" SN Applied Sciences (2020) 2:131, <https://doi.org/10.1007/s42452-019-1837-x>
34. Syed Mudassir, D.V. Ravi Shankar and Manzoor Hussain, "Behavior of composite sandwich laminates under Flexural Loading", International Journal of Materials Science ISSN 0973-4589 Volume 10, Number 1 (2015), pp. 67-76.
35. Syed Mudassir, D.V. Ravi Shankar and Manzoor Hussain, "Flexural Behavior of Sandwich Composite Panels Under 4-Point Loading", International Journal of Materials Science ISSN 0973-4589 Volume 11, Number 1 (2016), pp. 47-55.
36. Syed Mudassir, D.V. Ravi Shankar and Manzoor Hussain, "Quasi-Static Indentation Tests On Polyurethane and Phenolic Foam Sandwich Panels", i-manager's Journal on Future Engineering & Technology, Vol. 13 · No. 1 · August - October 2017.
37. D.V. Ravi Shankar, P. Ram Reddy and Manzoor Hussain, Characterization of glass epoxy laminates and validation of laminate design software through experimentation, International journal of Applied Engineering Research, vol-4 November 2 (2009).
38. D.V. Ravi Shankar, K. Vasanth Kumar and P. Ram Reddy, Flexural Fatigue Analysis of Glass Epoxy Laminates by Custom Built Computer Interfaced Flexural Fatigue Test- Rig, International journal of Emerging Technologies and Applications in Engineering Technology and Sciences, ISSN: 0974-3588 | Volume 2 Issue 2 | June '09 – December '09.
39. D.V. Ravi Shankar, P. Ram Reddy, Design optimization of polymer composite laminate through statistical tools by FEA implementation, International Journal of material science, ISSN 09734589 vol-2, November 2 (2007), pp.111-122, Research India publications.

40. P.Sampath Rao, Dr.M.Manzoor Hussain and Dr. D.V.Ravi Shankar – AN INVESTIGATION ON AGEING (HYGROTHERMAL INFLUENCE) OF GFRP LAMINATES UNDER TENSILE LOADING” published in International Journal of Emerging Technologies and Application in Engineering, Technology and Sciences (IJ-ETA-ETS) ISSN:0974-3588. Volume 5 : Issue 1 page no’s L210- 219 Jan 2012. Publisher: Amoghsiddhi Educational Society, www.aessangli.in
41. P. Sampath Rao, Dr. M.Manzoor Husain and Dr.D.V.Ravi Shankar “ Hygrothermal characterization of Gfrp laminates subjected to different waterconditions” published in IOSR Journal of Mechanical and Civil Engineering (IOSRJMCE) ISSN: 2278-1684, Volume I, Issue: 1, Page No.s : 012-025, June 2012. Publisher: International Organization of Scientific Research (IOSR), www.iosrjournals.org
42. P. Sampath Rao, Dr. M.Manzoor Husain and Dr.D.V.Ravi Shankar “ An Investigation on strength Degradation of Gfrp Laminates Under Environmental Impact” published in International Journal of Composite Materials (Volume 2 Number 4 page No. 48-52, August 2012. ISSN:2166-4919. Publisher: Scientific and Academic Publishing (USA Journal).
43. Dr.K.Vasant Kumar, Dr. P. Ram Reddy and D.V.Ravi Shankar “Flexural fatigue Analysis of Glass Polyester Unidirectional Angle Ply Composite Laminate” in International Journal of Engineering Research and Science and Technology, ISSNNo: 2319-5991. Volume 3 Issue No.2, May 2014.
44. Dr. K. Vasant Kumar, Dr. P. Ram Reddy and D. V. Ravi Shankar: Effect of Angle ply orientation on Tensile Properties of Bidirectional woven Fabric Glass Epoxy Composite Laminate” in International Journal of Computational Engg Research Volume 3 : Issue 2010, IssNo.2250-3005, Oct-2013.
45. Dr.K.Vasantha Kumar, Dr.P.Ram Reddy and Dr.D.V.Ravi Shankar “Flexural Fatigue Analysis of Carbon/Epoxy Angle Ply Laminates” published in International Journal of Engineering Research and Development e-ISSN: 2278- 067X, p-ISSN: 2278-800X, Volume 10, Issue 7 (July 2014), PP.52-62.
46. Dr.K.Vasantha Kumar, Dr.P.Ram Reddy and Dr.D.V.Ravi Shankar “Influence of Angle ply orientation of stacking on Mechanical properties of Glass– Polyester Composite Lamination in International Journal of Engineering and Advance Technology (IJEAT) Issue N: 2249-8958, Volume 3 , Issue 1, Oct -13.

47. Dr. M. Ashok Kumar, Dr. A.M.K. Prasad and Dr. D.V. Ravishankar at all “Effect of Unsupported Area of Composite Plates Subjected to Quasi-Static Indentation” published in American Journal of Engineering Research (AJER), e-ISSN: 2320- 0847 p-ISSN : 2320-0936, Volume-03, Issue-06, pp-289-297
48. M. Ashok Kumar, A.M.K. Prasad ,G.V Rao, and D.V. Ravishankar at all “Influence of fiber orientation on E- Glass / Epoxy composite laminates subjected to Quasi- static loading” published in American Journal of Industry Research (AJIR) SCIE Journals pp.1-9.
49. Vijay Babu.T , Dr. D.V Ravi Shankar , Dr. Eshwara Prasad.Koorapati “ Investigation of Process Parameters in `Micro- EDM Machining” Published in Innovative Research in sciences, ISSN No.2319-8753, Vol.3,Issue.10 (Oct.2014)pp. 16736-16741
50. Dr. M. Ashok Kumar, Dr. A.M.K. Prasad and Dr. D.V. Ravi shankar at all “CHARACTERIZATION OF COMPOSITE LAMINATES SUBJECTED TO REPEATED INDENTATION” published in international journals of ADVANCES IN MATERIALS SCIENCE, Vol. 14, No. 2 (40), June 2014, DOI:10.2478/adms-2014-0009.
51. Syed Mudassir, Dr. Manzoor Husain, Dr. D. V. Ravi Shankar and Dr. P. Ram Reddy, Fabrication and Analysis of Automotive Sandwich FRP rear spoiler, International journal of Emerging Technologies and Applications in Engineering Technology and Sciences, ISSN: 0974-3596 | Oct’10 – March ’11 | Volume 3 : Issue 1
52. D.V. Ravi Shankar, P. Ram Reddy, Design of Filament Wound Pressure Vessel with Strain Minimization Approach through Finite Element Method Implementation. ISSNNo.0974-3588, Vol-3, Jan. 2010, pp. 125-130, InternationalJournal of Emerging Technologies and Applications in Engineering, Technology and Sciences.
53. Mohd Minhajuddin Saif, Dr. D.V. Ravi Shankar, Dr. Manzoor Husain, M.A. Mateen, Syed Mudassir, Thermal characterization of glass/epoxy – Polyurethane composite sandwich panels at low Temperature applications” published in International Journal of Emerging Technologies Andapplications in Engineering, Technology and Sciences (IJ-EA-ETS), ISSN: 0974-3588 Volume 4: Issue 2JULY ’11 – DEC ’11.

54. M.A. Mateen, Dr. D.V. Ravi Shanker, Dr. Manzoor Husain, H. Irfan Sadiq and Dr. P. Ram Reddy, A Finite Element Investigation Of Filament Wound Pressure Vessel Subjected To Internal Pressure, International journal of Emerging Technologies and Applications in Engineering Technology and Sciences, ISSN: 0974-3596 | Oct'10 – March '11 | Volume 3 : Issue 1.
55. Mujahid Khan, M. A. Mateen, D. V. Ravi Shankar, “Design and Development of Composite/ Hybrid Propeller Shaft” published in International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064.
56. K. Ajay Kumar, M.A. Mateen, N. Srinivasa Rajneesh, “A Study on Effect of Filler on Mechanical Properties of GFRP Composites” published in International Journal of Innovative Research in Science, Engineering and Technology, DOI:10.15680/IJRSET.2015.04 11048.
57. Pathan Yasin, M.A. Mateen, C. Srikanth, M.V. Ramana “A Study of Corrugated GFRP Composite subjected to Transverse loading” published in CVR Journal of Science and Technology, Volume 12, June 2017. ISSN 2277 – 3916.
58. L. Ramesh, A. M. K. Prasad, G. Chandra Mohan Reddy, D. V. Ravi Shankar, M. A. Mateen, “A Study on Influence of Inlet Pressure and Fiber Architecture on the Quality of Sample Made from VARTM” published in i-manager’s Journal on Mechanical Engineering, 8(3), 46-52. <https://doi.org/10.26634/jme.8.3.14182>.
59. Mujahid Khan, Sayyadh Rahamathbaba, MA Mateen, DV Ravi Shankar and M Manzoor Hussain, “Effect of NaOH treatment on mechanical strength of banana/epoxy laminates”, Polymers from Renewable Resources, <https://doi.org/10.1177/2041247919863626>

B: Conference papers

1. Mohd Minhajuddin Saif, Dr. D.V. Ravi Shankar, Dr. Manzoor Hussain “An experimental analysis on particulated hybrid composite under flexural loading” Presented and Published in International Conference ADVANCEMENTS IN POLYMERIC MATERIALS-2015(APM-15), Jan 20 to 22, 2015. International Conference ICRAMST-13, NITK, January 17, 2013.
2. Mohd Minhajuddin Saif, Dr. D.V. Ravi Shankar, Dr. Manzoor Hussain “INFLUENCE OF NANO FILLER ON DIELECTRIC BEHAVIOUR OF GLASS EPOXY HYBRID COMPOSITES” Presented and Published in International Conference on

Environmental Impact of Advanced Materials and Energy Technologies (EIAMET-2017), January 19-21,2017.

3. “Experimental Investigation on Sandwich Panels Under Quasi-static fatigue.” Presented and Published in International Conference on Recent Advances in Material Science & Technology-2013(ICRAMST-13) volume1 issue1, Jan 17 to 19, 2013.
4. “Flexural Behavior of composite sandwich laminates under solicitation static Loading”, Accepted for **International Conference on Advancements in Polymeric Materials (APM2015), During Feb 20 - 22, 2015.**
5. Mrs.K.Vijayasree, Dr.Ravishankar D.V, Dr.P.Ram Reddy “Critical analysis of the strut made of fiber reinforced polymer tested under one end hinged and the other end free” SSRG - IJME) -Volume7 issue 4-April 2020.ISSN:2348-8360 ,page no.29-33.
6. Mrs.K.Vijayasree, Dr.Ravishankar D.V, Dr.P.Ram Reddy, “Influence of stacking angle on filament wound glass epoxy struts under tensile loading”, (SSR -IJME)special issue ICETST Nov - 2018 . ISSN: 2348 - 8360, page no 48-51.
7. Mrs.K.Vijayasree, Dr.Ravishankar D.V, Dr.P.Ram Reddy, “Tensile analysis of filament wound glass epoxy struts tested under both ends hinged condition”, (SSRG - IJIE) - volume 5 issue 3, May-Aug 2018. ISSN: 2349 - 9362e 1-5.
8. K. Naveena Latha, Dr.P.Ram Reddy and Dr. Ravi Shankar,”Non Chemical Water Treatment By Hydro Dynamic Vortex Precipitation Mechanism “, International conference on Recent innovations in Engineering & Technology (ICRIEAT-2016),ISBN:978-1-5396-2645-9.
9. K. NaveenaLatha, Dr.P.Ram Reddy and Dr. Ravi Shankar,”Hydro Dynamic Cavitation –An Advantage in Non Chemical Water Treatment Specific Study on Tds and Hardness”,National Conference on “Recent Advances in Mechanical Engineering and Materials characterization (NCRAMEMC-19)”, Basar on 15th and 16th March 2019

10. Kundavarapu Vengalrao, Kopparthi Phaneendra Kumar, D.V.Ravi Shanker , Nadendla Srinivasababu , N.Sateesh An Investigation on RTM Process Parameters and their Influence on Impact Failure Behavior of FRP Laminates, Materials Today: Proceedings 4 (2017) 2167–2173.
11. Kundavarapu Vengalrao , Kopparthi Phaneendra Kumar , Dasari Venkata Ravi Shanker , Nadendla Srinivasababu and Aerra Kiran Kumar Yadav An Investigation on the Quality of the Laminates Produced by VARTM Process and Process parameters, Materials Today: Proceedings 4 (2017) 9196–9202.
12. Phaneendra Kumar. K , Vengal Rao. K , Venkata Ravishankar. D , Bhaskara Rao. P An Effect Of Permeability On The Impact Strength Of GFRP Laminates In Vacuum Assisted Resin Transfer Molding Process International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Special Issue, Feb 2019, 9-16.
13. Kundavarapu Vengalrao , Kopparthi Phaneendra Kumar , Dasari Venkata Ravi Shanker and Nadendla Srinivasababu Role of pigment to assess flow front velocity in manufacturing of Chopped GFRP Composites – Part-I: Determination of Various Properties, 8th Annual Session of Indian Institute of Chemical Engineers, 27-30 December | Guwahati, India
14. Phaneendra Kumar. K , Vengal Rao. K , Venkata Ravishankar. D , Bhaskara Rao, A Study on Computational Modeling of E-Glass Chopped Strand/Polyester Composite for Impregnation Velocity in Resin Transfer Molding, Advanced Materials: Design, Processing, Characterization and Applications
15. M.A. Mateen, Dr. D.V. Ravi Shanker, Dr. Manzoor Husain, Presented a technical paper in the National Conference on “**Excellence in New Technologies in Mechanical Engineering**” organized by Mechanical Engineering Department, Malla Reddy Engineering College for Women and Malla Reddy Engineering College.
16. M.A. Mateen, Dr. D.V. Ravi Shanker, Dr. Manzoor Husain, Published a technical paper in the National Conference on “**Climate Change and its Impact on Life and Water Resources**” organized by Department of Humanities and Basic Sciences, Annamacharya Institute of Technology and Sciences, Blatasingaram, Andhra Pradesh Sponsored by Ministry of Earth Sciences, Govt. of India, New Delhi.

17. M.A. Mateen, Dr. D.V. Ravi Shanker, Dr. Manzoor Husain, Presented a technical paper in International *Conference on “Recent Advances In Material Science & Technology-2013”* Organized by Department of Chemistry, National Institute of Technology Karnataka, Surathkal, Mangalore.
18. M.A. Mateen, Dr. D.V. Ravi Shanker, Dr. Manzoor Husain, Presented a technical paper in International *Conference on “Advancements in Polymeric Materials - APM 2015”* organized by Central Institute of Plastics Engineering and Technology (CIPET), Chennai India.
19. M.A. Mateen, Dr. D.V. Ravi Shanker, Dr. Manzoor Husain, Presented a technical paper in International *Conference on “International Conference on Smart Engineering Materials ICSEM-2016”* organized by R V College of Engineering, Bengaluru - 560 059. under TEQIP – II.
20. D.V. Ravi Shankar, “Weight Reduction in Automobile components through Polymer Composite Materials with Advanced Manufacturing Techniques (National conference on recent trends in manufacturing technology and management 28-29 January, 2002 (pageNo.227-233) at Adhiyaman College of Engineering, Hosure, Tamilnadu.
21. D.V. Ravi Shankar, “Achieving safety and Weight reduction in automobiles with the Application of Composite Materials Experimentation on Leaf spring (NSMTA 2002AUGUST 1-2 page No.162-166) at Ram Babu Raja Institute of Technology Sangli (M S)).
22. D.V. Ravi Shankar, P. Ramreddy et al. “Fatigue Life Cycle Analysis of Polymer Composite Leaf Spring (An Experimentation on Leaf Spring)” (pageNo481- 482), at National Conference on “World Class manufacturing” 7-9 may, 2003, Amrita Institute of Technology, Coimbatore.
23. D.V.Ravi Shankar, N.V.S. Raju et al. “Reliability and safety Based Testing for Life cycle Characteristics of Polymer Composite Automotive Leaf Spring “(pageNo.134-141), at National Conference on “World Class manufacturing” 7-9 may, 2003, Amrita Institute of Technology, Coimbatore.

24. D.V. Ravi Shankar, R. Viswanath, P. Anuradha, K. Srinivas and L.Vijay Vamshi Krishna, "Computer Aided Design Optimization experimentation on LeafSpring)" (PageNo.478-479), at National Conference on "World Class manufacturing" 7-9 may, 2003, Amrita Institute Of Technology, Coimbatore.
25. D.V. Ravi Shankar, P. Ramreddy et al. "Computer Aided Design and Manufacture of Polymer Composite Wheel Drum for Automotive Applications" (pageNo.100-105), at National Conference on "World Class manufacturing" 7-9 may, 2003, Amrita Institute of Technology, Coimbatore.
26. D.V. Ravi Shankar, P. Ramreddy, K. Vasanthkumar, L. Vijay Vamshi Krishna, "Efficient Tooling Systems for SMC (Sheet Molding Compound) Molding Applications through Computer Integrated Manufacturing Technology" (PageNo153-158.), at National Conference on "World Class manufacturing" 7-9 may, 2003, Amrita Institute of Technology, Coimbatore.
27. D.V. Ravi Shankar, P. Ram Reddy et al. "Passenger's Safety in Automobiles through Polymer Composite Sandwich Constructions with an Advanced Manufacturing Technique" (page No. 303-309), at National Conference on "World Class manufacturing" 7-9 may, 2003, Amrita Institute of Technology, Coimbatore.
28. D.V. Ravi Shankar, "Design Optimization By computer Integrated design of filament Glass polyester Composite Pipe" at National conference on advanced materials and Manufacturing Techniques March 08-09, 2004. JNTUCE Hyderabad. (Page No. 177-179).
29. D.V. Ravi Shankar, Dr. P. Ram Reddy and Manzoor Hussain, Jagdeesh Kumar.K, "Design and development of dynamic load transducers for customized applications", at state of the art and technologies in mechanical engineering (NCSAME-2004) 29-30th June 2004, (page no: 263-267).
30. D.V. Ravi Shankar, Dr. P. Ram Reddy, Santosh Kumar And Jagdeesh Kumar.K, "Effect of inter laminar shear strength on fatigue life characteristics of composite laminates, at state of the art and technologies in mechanical engineering (NCSAME-2004) 29-30th June 2004, (page no: 268-275).

C: Projects Guided

- (1) Under Graduate level : **35** projects.
- (2) Post Graduate level : **10** Projects.
- (3) Presently guiding : **10** Ph. D.(5 awarded, 2 viva pending and 3 ongoing)

D: ACHIEVEMENTS

1. Won the **gold medals** successively in 35th, 36th and 39th **all india level design competitions** organized by **national design and research forum, the institution of engineers (india)**, Bangalore, during 2004 to 2008 for guided projects at under graduate level.
2. Won the **gold medal and a silver medal** 40th **all india level design competitions** organized by **national design and research forum, the institution of engineers (india)**, Bangalore, during year 2009 for guided projects at post graduate level.

V: OTHER ACHIEVEMENTS

1. **SVS Hydraulics Pvt Ltd.**, has sponsored a machine to conduct Bi-Axial tensile and compressive testing machine, which is supporting the research works of 3Ph.D scholars. The Bi-Axial tensile and compressive testing machine is needed to thoroughly analyze the failure behavior of various composite materials.
2. Got **Sponsorship from Saint Gobain Vetrotex India Ltd., Hyderabad** a Multi National Company (French Based) for 20 B. Tech. Projects and One M. Tech. Projects.
3. Established a Composites **Workshop** at Vasavi College of Engineering, Hyderabad.
4. Erected and Commissioned Acetylene Generating Plant for Roorkeela Steel Plant, Orissa.
5. **Indigenization** and Product Development, for Cheetha-Chetak Helicopter Radar Domes and V-SAT Antenna Reflectors for ECIL, Hyderabad.
6. Team member for Establishment of **ISTE** – student and staff chapters at Vijay Rural Engineering College, Nizamabad.
7. Editor for the proceeding of the National level Technical symposium organized by the department of Mechanical Engineering Nizam Institute of Engineering and Technology during 20th & 21 February 2006 “**Trends and Innovations of dedicated Engineers**”.

VI: TECHNICAL CONSULTANCY

- (1) Providing complete technology to an enterprise as a technology mentor for the production of filament wound pressure vessels and pipes. (RADH COMPOSITE INDUSTRIES PVT. LTD., Sarangapur, Nizamabad.)

VII: CAPABILITIES

- (1) Capable of establishing a **center for excellence** to meet the requirements of polymer reinforced composite industry and to solve the problems of industry.

VIII: WORK SHOPS AND SEMINARS PARTICIPATED

Few important seminars are:

1. Participated in Two days workshop on “**New Trends in polymer Composites**” conducted by CEAT Glass Fiber Division, Hyderabad during 1997.
2. Participated in a Two weeks workshop on “**FRP Technology**” conducted by IIT – Madras during February 1988.

IX: SUBJECTS TAUGHT

Regularly Teaching	Occasionally Teaching
1. Materials Science & Metallurgy	1. Engineering Mechanics
2. Advanced Metal Casting	2. Non Conventional Sources of Energy
3. Production Technology	3. Metal Joining Techniques
4. Automobile Engineering	4. Metrology
5. Metallurgy Lab	5. Metrology Lab
7. Production Lab	6. Unconventional Machining processes
8. Machine drawing	7. Work shop
	8. Mechanics of solids Lab