

Dr.R.Uday Kumar

Associate Professor



Education Qualifications: Doctor of Philosophy (Mechanical Engineering)
Specialization: Manufacturing Engineering

ADDRESS:

- B- Block -Room No 103

JNTUH ID:

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rudaykumar_mct@mgit.ac.in

DATE OF JOINING:

06-11-1998

EXPERIENCE – 23 Years

- Teaching - 23
- Research -11

SUMMARY:

- Publications - 83
- Conferences - 53
- Books – 2
- Honors/Awards - 4

EVENTS:

- Attended - 233

Membership of Professional Bodies:

1. Life Member of Indian Society for Technical Education (ISTE)LM35548
2. Member of The Indian Institute of Welding R-11370/L
3. Member of International Association of Engineers(IAENG)137875

Responsibilities Held at Institution Level:

1. Deputy Director - Student welfare from 18-10-2021 to till date.
2. Member - Library committee from 10.10.2020 to till date
3. Member of TASK FORCE GROUP –Covid-19 from 08.11.2020 to till date
4. Member of anti-ragging committee
5. General Maintenance Incharge From 03.10.2013 - 31.09.2016

Responsibilities Held at Department Level:

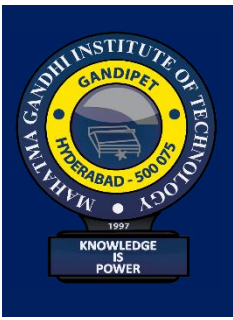
1. Overall Incharge-Equipment Servicing & Maintenance from 16.01.2021 to till date
2. BoS member - Mechanical Engineering Department
3. CGC coordinator from Dept.from 02.03.2012 to 28.06.2019
4. M.Tech Coordinator , from 26.04.2018 to till date.
5. Mentor for students from 2015 to till date
6. FM & HM Lab Incharge from 2003 to till date

Research Guidance:

1. Guiding Three Ph.D. students

Honors/Awards Received:

1. Best paper award - R.Uday Kumar, Determination of bending force and bend angle of sheet metal welds, International Conference on Innovations in Mechanical Engineering [ICIME-2020], 10-11,January 2020, Guru Nanak Institutions(GNITC & GNIT), Hyderabad.
2. Best paper award - A.Kalyan Charan,R.Uday Kumar, B.Balunaik, Evaluation of thermal properties by incorporating perforations of various shapes in fins made with aluminum, International Conference on Manufacturing, Material Science & Engineering,[ICMMSE-2020],18-19 December 2020, CMR Institute of Technology, Hyderabad.
3. Best paper award - Awarded Gold Certificate, R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, Influence of radial distance on hoop stresses in hydro forming, International Conference on Emerging Technologies in Mechanical Sciences [ICEMS-2016], 16-17, December 2016, Malla Reddy College of Engineering & Technology, Hyderabad.



- Received OUTSTANDING SCIENTIST AWARD at International Scientist Awards on Engineering, Science and Medicine, held on 10-11 April 2021, Bangalore, India, Organized by VDGOD Professional Association, Villupuram, Tamilnaadu.

Courses Handled at Under Graduate /Post Graduate Level:

- UG:** Automation in Manufacturing ,Instrumentation and Control systems, Mechanical Measurements and Control Systems, Product Design and Assembly Automation, Engineering Mechanics, Engineering Graphics, Thermodynamics and Fluid Mechanics, Thermal science, Prime Movers and Pumps, Hydraulic Machinery systems, Fluid Mechanics And Hydraulic Machinery systems, Thermodynamics, Fluid Mechanics
- PG:** Applied Industrial Hydraulics, Design for Manufacturing and assembly

Publications:

- R.Uday Kumar, “Determination of tensile properties of aluminium alloy 6061”, International Journal of Advances in Engineering and Management (IJAEM), Vol 4, Issue 1, January 2022, pp.232-235, ISSN : 2395-5252.
- R.Uday Kumar, “Advancements in robotic drilling machine”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol 10, Issue 11, November 2021, pp.14550-14553, ISSN : 2319-8753.
- R.Uday Kumar, “Design and development of forklift in manufacturing”, International Journal of Advanced Research in Science, Engineering and Technology (IJARSET), Vol 8, Issue 10, October 2021, pp.18349-18353, ISSN : 2350-0328.
- K.C.Sabitha, R.Uday Kumar, “Determination of material removal rate in electro discharge machining through copper electrode”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol 9, Issue 5, May 2021, pp.176-180, ISSN : 2321-9653
- R.Uday Kumar, “Evaluation of deep drawability characteristics of mild steel and brass”, International Journal of Advanced Research in Science, Engineering and Technology (IJARSET), Vol 8, Issue 4, April 2021, pp.17117-17119, ISSN : 2350-0328.
- A.Kalyan Charan, R.Uday Kumar, B.Balunaik, “Evaluation of convective heat transfer coefficient and heat transfer rate through aluminum metal matrix composite fin made by stir casting”, IOP Conference series : Materials Science and Engineering, (An open access International Journal - Scopus indexed Journal) Volume 1057 (2021)012038[15February 2021], pp.1-9, ISSN: 1757-899X.
- Bharadwaj ankush Singh, R.Uday Kumar, Harika Pendli, “Smart collision avoidance and detection system”, IOP Conference series : Materials Science and Engineering, (An open access International Journal - Scopus indexed Journal) Volume 1057 (2021)012085 [15February 2021], pp.1-6, ISSN: 1757-899X.
- B.Ajay Kumar, K.Sirisha, R.Uday Kumar, “Development of robot navigation system”, IOP Conference series : Materials Science and Engineering, (An open access International Journal - Scopus indexed Journal) Volume 1057 (2021)012022 [15February 2021], pp.1-5, ISSN: 1757-899X.
- R.Uday Kumar, “Determination of Mechanical Properties of friction stir welded SS304L and AI 2014 Alloys”, AIP Conference Proceedings(An open

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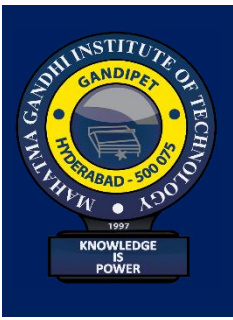
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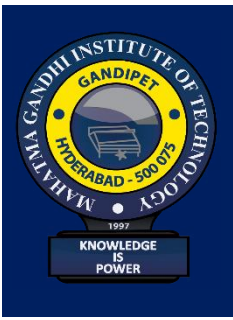
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- access International Journal- Indexed in Web of science, Scopus, Inspec) – AIP Publishing-2317(Volume), Issue 1, 050001(2021),February 2021, pp.050001-1 to 050001-8. ISSN(Print): 0094-243X, ISSN(electronic) : 1551-7616 ; ISBN : 978-0-7354-4058-6
10. K.V.Kasi Vishwanadham, R.Uday Kumar, “Evaluation and study of Formability Characteristics of sheet metals through Stretch Bend Test”, AIP Conference Proceedings(An open access International Journal- Indexed in Web of science, Scopus, Inspec) – AIP Publishing - 2317(Volume), Issue 1, 050002(2021),February 2021, pp.050002-1 to 050002-6. ISSN(Print): 0094-243X, ISSN(electronic) : 1551-7616 ; ISBN : 978-0-7354-4058-6
 11. J.Pavan Kumar, K.Eshwaraiyah, R.Uday Kumar, “Determination of Limiting Drawing Ratio of Bimetal Sheet”, AIP Conference Proceedings(An open access International Journal- Indexed in Web of science, Scopus, Inspec) – AIP Publishing-2317 (Volume), Issue 1, 020002 (2021),February 2021,pp.020002-1 to 020002-5. ISSN(Print): 0094-243X, ISSN(electronic) : 1551-7616 ; ISBN : 978-0-7354-4058-6
 12. A.Kalyan Charan,R.Uday Kumar, B.Balunaik, “Evaluation of thermal properties by incorporating perforations of various shapes in fins made with aluminum”, Elsevier Materials Today : Proceedings, Vol 46, January 2021, Elsevier Journal Publications,pp.609-614. ISSN: 2214-7853
 13. N.Sai Kiran Chary, R.Uday Kumar, P.Kalyan, T.Ajay, “Automatic Phyto-Remediating plant care unit using RO Purifier Rejected Water”, Elsevier Materials Today : Proceedings, Vol 45, January 2021, Elsevier Journal Publications,pp.3264-3267. ISSN: 2214-7853
 14. R.Uday Kumar, “Determination of vickers hardness number of welded joints”, The International Journal of Analytical and Experimental Modal Analysis (IJAEMA), Vol 12, Issue 12, December 2020, pp.609-617, ISSN: 0886-9367
 15. R.Uday Kumar, “Study of bimetallic sheets through deep drawing”, International Journal of Innovative Science, Engineering & Technology (IJSET), Vol 7, Issue 11, November 2020, pp.199-206, ISSN :2348–7968.
 16. R.Uday Kumar, “Incremental forming of bimetal sheets”, International Journal of Advance Engineering and Research Development (IJAERD), Vol 7, Issue 11, November 2020, pp.13-17, ISSN :2348–6406.
 17. R.Uday Kumar, “Numerical analysis of blank holder pressure in deep drawing”, International Research Journal of Engineering and Technology [IRJET], Vol 7, Issue 11, November 2020, pp.604-606, ISSN: 2395-0056
 18. R.Uday Kumar, “Determination of bending force and bend angle of sheet metal welds”, Lecture Notes in Mechanical Engineering-Springer Publishers, November 2020,pp.177-183, ISSN: 2195-4356,ISBN: 978-981-15-7556-3.
 19. R.Uday Kumar, “Comparative study on limiting drawing ratio of Al 1100 and pure copper”, Journal of Engineering Sciences [JES], Vol 11,Issue 6,June 2020, pp.53-56, ISSN : 0377-9254,
 20. P.Manasa Palle, R.Uday Kumar, “An overview-An accelerometer based robot motion control”, Journal of Innovation in Mechanical Engineering [JIME], Vol 2, Issue 2, July-Dec 2019, pp.13-16, ISSN: 2581-7019
 21. R.Uday Kumar, “Determination of formability index of sheet metals”, International Research Journal of Engineering and Technology [IRJET], Vol 6, Issue 11, November 2019, pp.2148-2152, ISSN: 2395-0056
 22. R.Uday Kumar, “Evaluation of hardness of gas and tig welded sheet metals”, International Journal of Emerging Technologies in Engineering Research [IJETER], Vol 7, Issue 9, September 2019, pp.1-5, ISSN: 2454-6410
 23. K.C.Sabitha, P.Ravinder Reddy, A.Krishnaiah, R.Uday Kumar, “Evaluation



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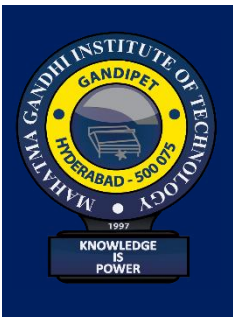
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24. R.Uday Kumar, “Evaluation of blank holding force in hydro-mechanical process”, International Journal of Scientific Research and Reviews [IJSRR], Vol 8, Issue 2, April-June 2019, pp.2871-2875 ,ISSN: 2279-0543
 25. R.Uday Kumar, “Experimental investigation on hardness of hot and cold rolled welded steel sheet metals”, International Journal of Management, IT & Engineering [IJMIE], Vol 9, Issue 6, June 2019, pp.256-264, ISSN: 2249-0558
 26. R.Uday Kumar, “Determination of limiting drawing ratio of sheet metals”, International Journal of advanced and Innovative Research [IJAIR], Vol 8, Issue 5, May 2019, pp.11-13, ISSN: 2278-7844
 27. R.Uday Kumar, “Failure mode and effects analysis”, International Journal of Emerging Technologies in Engineering Research [IJETER], Vol 7, Issue 5, May 2019, pp.12-14, ISSN: 2454-6410
 28. R.Uday Kumar, “An overview of failure analysis in manufacturing”, International Journal of advanced and Innovative Research [IJAIR], Vol 8, Issue 5, May 2019, pp.1-4, ISSN: 2278-7844
 29. K.Solomon Jones, R.Uday Kumar, “Robotic arm with real time human arm motion replication using IoT”, IOP Conference series : Materials Science and Engineering, (An open access International Journal-Scopus indexed Journal) Vol 455(2018)012060[December], pp.1-6, ISSN: 1757-899X.
 30. K.C.Sabitha, P.Ravinder Reddy, A.Krishnaiah, R.Uday Kumar, “Evaluation of mechanical properties of tailor welded sheet metal blanks”, IOP Conference series : Materials Science and Engineering, (An open access International Journal-Scopus indexed Journal) Vol 455(2018)012061[December], pp.1-8, ISSN: 1757-899X.
 31. J.Pavan Kumar, R.Uday Kumar, B.Ramakrishna, B.Ramu, K.Baba saheb, “Formability of sheet metals - A review”, IOP Conference series : Materials Science and Engineering, (An open access International Journal-Scopus indexed Journal) Vol 455(2018)012081[December], pp.1-7, ISSN: 1757-899X.
 32. R.Uday Kumar, “Role of CFD in sheet metal forming”, International Journal of Technical Innovation in Modern Engineering & Science [IJTIMES], Vol 4, Issue 5, May 2018, pp.458-462, ISSN: 2455-2585
 33. R.Uday Kumar, “Influence of punch on blank holder pressure in hydroforming”, International Journal of Technical Innovation in Modern Engineering & Science [IJTIMES], Vol 4, Issue 5, May 2018, pp.319-323, ISSN: 2455-2585
 34. R.Uday Kumar, “Determination of stresses at die corner in hydroforming” International Journal of Emerging Technologies and Innovative Research (JETIR)(an International open access Journal), Vol 5, Issue 5, May 2018, pp.860-868, ISSN: 2349-5162
 35. R.Uday Kumar, “Effect of friction and lubrication in deep drawing”, International Journal of Technical Innovation in Modern Engineering & Science [IJTIMES], Vol 4, Issue 5, May 2018, pp.306-310, ISSN: 2455-2585
 36. R.Uday Kumar, “Theoretical study of radial stresses in sheet metal forming”, International Journal of Technical Innovation in Modern Engineering & Science [IJTIMES], Vol 4, Issue 5, May 2018, pp.164-169, ISSN: 2455-2585
 37. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Determination of hoop stresses in hydro forming process”, Elsevier Materials Today :

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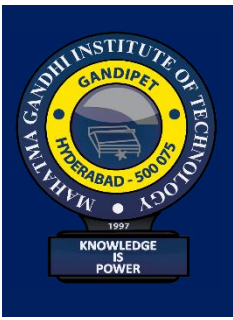
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- Proceedings, Vol4, Issue8, October2017, Elsevier Journal Publications, pp.9133-9140, ISSN: 2214-7853
38. R.Uday Kumar, “Role of hydraulic fluid pressure in sheet metal forming”, International Journal of Emerging Technologies in Engineering Research [IJETER], Vol 5, Issue 9, September 2017, pp.64-69,ISSN: 2454-6410
 39. A.KalyanCharan,R.Uday Kumar, B.Balunaik, “Heat transfer through bonded and coated composite fins”, International Journal of Advanced Technology in Engineering and Science (IJATES), Vol 5, Issue 7, July 2017, pp.160-165, ISSN :2348 – 7500
 40. R.Uday Kumar, “Developments in hydro mechanical forming processes”, International Journal of Technical Innovation in Modern Engineering & Science [IJTIMES], Vol 3, Issue 6, June 2017, pp.72-78,ISSN: 2455-2585
 41. R.Uday Kumar, “Advances in sheet metal hydroforming technology”, International Journal of Advance Engineering and Research Development (IJAERD), Vol 4, Issue 6, June 2017, pp.714-721, ISSN :2348 – 6406.
 42. R.Uday Kumar, “Forming characteristics of tailor welded blanks”, International Journal of Modern Trends in Engineering and Research[IJMTER], Vol 4, Issue 6, June 2017, pp.114-118,ISSN: 2349-9745
 43. R.Uday Kumar, “Role of numerical analysis in the field of manufacturing Technology”, International Journal of Emerging Technologies in Engineering Research [IJETER], Vol 5, Issue 6, June 2017, pp.106-110,ISSN: 2454-6410
 44. K.Sirisha, R.Uday Kumar, “An overview of ceramic matrix composites”, International Journal of Advance Engineering and Research Development (IJAERD), Vol 4, Issue 5, May 2017, pp.307-312. ISSN :2348 – 6406.
 45. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Role of viscosity in hydro- forming process”, Elsevier Materials Today : Proceedings, Vol 4, Issue 2, PART A, April 2017 ,Elsevier Journal Publications,pp.790-798. ISSN: 2214-7853
 46. K.Baba Saheb, R.Uday Kumar, P.M.V.Rao, “Formability of sheet metal blanks by erichsen cup test”, SSRG International Journal of Mechanical Engineering[IJME], ICRTESTM-2017 Special issue April 2017, pp.21-25, ISSN : 2348-8360
 47. R.Uday Kumar, “Thermal analysis of composite system through overall heat transfer coefficient”, International Journal of Recent Research in Science, Engineering and Technology [IJRRSET], Vol 2, Issue11, November 2016 , pp.220-225.ISSN : 2395-7638
 48. R.Uday Kumar, “Evaluation and effect of convective resistance and convective heat transfer coefficient on heat transfer rate in composite structure”, International Journal of Advance research in Engineering, Science & Technology [IJAREST], Vol 3, Issue10,October 2016,pp.81-85.ISSN:2394-2444
 49. R.Uday Kumar, P.Ravinder Reddy, “Influence of air gap on thermal performance of composite system”, International Journal of Emerging Technologies in Engineering Research [IJETER],Vol4,Issue10,October 2016,pp.56-59.ISSN: 2454-6410
 50. Mohammed Ammar Raqeeb, R.Uday Kumar, “Electromagnetic braking system in two wheeler vehicles”, International Journal & Magazine of Engineering, Technology, Management and Research [IJMETMR],Vol 3, Issue 9, September 2016,pp.1049-1052. ISSN: 2348-4845
 51. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Comparative study on radial stresses of sheet metals through hydroforming”, International Journal



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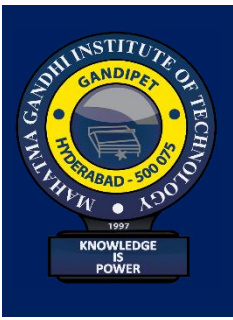
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- of Mechanical Engineering and Robotics [IJMER], Vol 4, Issue 3, August 2016, pp.29-34. ISSN : 2321-5747
52. J.Pavan Kumar , R.Uday Kumar, “Mechatronics based video surveillance system”, International Journal of Science Technology & Engineering [IJSTE], Vol 2, Issue 10, April 2016, pp.908- 912. ISSN : 2349-784X
 53. R.Uday Kumar, G.Chandramohan Reddy, “Determination of diametrical ratio of sheet metals through finite element analysis”, International Journal of Modern Engineering Research[IJMER],Special Issue Vol 3,Issue 1, January,2016,pp 20-23.ISSN : 2249-6645
 54. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “ Effect of viscosity on radial stresses in hydro forming manufacturing process”, International Journal of Innovative Science , Engineering & Technology [IJSET],Vol 2, Issue 11, November 2015, pp.538-546. ISSN :2348-7968
 55. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Effect of radial distance on radial stresses in hydro forming deep drawing process”, International Journal of Science Technology & Engineering [IJSTE],Vol 2, Issue 5, November 2015, pp.63-69. ISSN : 2349-784X
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 57. A.Nihar, R.Uday Kumar, “Wireless sensor network based autonomous vehicle”, International Journal of Scientific Engineering and Technology Research [IJSETR],Vol 4, Issue 18, June 2015, pp.3301-3305.ISSN :2319-8885
 58. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “ Theoretical analysis of drawing stresses in hydroforming Process”, International Journal of Engineering Science and Innovative Technology [IJESIT],Vol 3, Issue 6, November 2014, pp.238-247. ISSN : 2319-5967
 59. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Effect of blank radius on drawing stresses in hydroforming deep drawing process”, IPASJ International Journal of Mechanical Engineering (IJME), Vol 2, Issue11, November 2014, pp.14-21 . ISSN : 2321-6441
 60. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Mathematical modeling of drawing stresses of magnesium alloys through hydroforming deep drawing process using heavy machine oil medium”, International Journal of Advance Engineering and Research Development (IJAERD), Vol 1, Issue 11, November 2014, pp.89-96. ISSN :2348 – 6406.
 61. R.Uday Kumar, G.Chandramohan Reddy, “Analysis of swift cup drawing test”, International Journal of Application or Innovation in Engineering and Management [JAIEM], Vol 3, Issue 10,October 2014, pp.104-108. ISSN : 2319 – 4847.
 62. VVN Satya Suresh, Srinivasa Prakash Regalla , R.Uday Kumar, “Experimental investigations, modeling and simulation of Tailor welded blanks - A review”, International Journal of Current Engineering and Technology (INPRESSCO), Special Issue 2,February 2014,pp.141-146. ISSN 2277-4106
 63. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Numerical analysis on influence of punch speed on fluid pressure in hydro forming process”, International Journal of Current Engineering and Technology (INPRESSCO) ,Special Issue 2,February 2014. pp.9-11.ISSN 2277-4106



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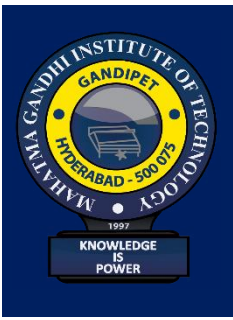
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64. R.Uday Kumar, “Distribution of radial stresses in deep drawing process”, International Journal of Emerging Science and Engineering [IJESE], Vol 1, Issue 6, April 2013, pp. 92-95. ISSN : 2319 – 6378
65. R.Uday Kumar, G.Chandramohan Reddy, “Evaluation of erichsan number and peak load of sheet metals”, Special issue of ICMPC-2013- International Journal of Advanced Materials Manufacturing and Characterization [IJAMMC], Vol 3 issue 1, March 2013, pp.381-383 ISSN : 2277 - 3886
66. R.Uday Kumar, “Analysis of major strains and minor strains in sheet metal forming”, International Journal of Application or Innovation in Engineering and Management [IJAIEEM], Vol 2 issue 2 ,February 2013, pp.194-198. ISSN : 2319 – 4847.
67. R.Uday Kumar, “A study on deep drawing and spinning process in sheet metal forming”, International Journal of Application or Innovation in Engineering and Management [IJAIEEM], Vol 2 issue 2 , February 2013, pp.170-175. ISSN : 2319 – 4847.
68. R.Uday Kumar, “Simulation and modeling analysis in manufacturing process”, International Journal of Recent Technology and Engineering [IJRTE], Vol 1 issue 6 , January 2013 , pp. 90 – 92. ISSN : 2231 – 2307.
69. R.Uday Kumar, “ Analysis of fukui’s conical cup test”, International Journal of Innovative Technology and Exploring Engineering [IJITEE], Vol 2 issue 2 , January 2013 , pp.30-31 .ISSN : 2278 – 3075.
70. R.Uday Kumar, “View of nanotechnology in the area of manufacturing science and engineering”, International Journal of Application or Innovation in Engineering and Management [IJAIEEM], Vol 1 issue 4 December 2012, pp. 54-56. ISSN : 2319 – 4847.
71. R.Uday Kumar, “Finite element analysis of evaluation of radial stresses in hydro assisted deep drawing process”, International Journal of Pure And Applied Research in Engineering and Technology [IJPRET], Vol 1 No. 2 [2012], pp. 1-10 . ISSN : 2319 – 507X
72. R.Uday Kumar, “Effect of Blank radius on radial stresses in hydroforming deep drawing process”, International Journal of Applied Research in Mechanical Engineering [IJARME], Vol 2 No. 1 [2012], pp.6-11. ISSN : 2231-5950.
73. R.Uday Kumar, “Mathematical modeling and evaluation of hoop stresses in hydroforming deep drawing process”, International Journal of Advanced Research in Engineering and Technology (IJARET), Vol 3 No.2 (2012), pp. 43-51. ISSN : 0976 – 6499.
74. R.Uday Kumar, “Mathematical modeling and evaluation of radial stresses in hydroforming deep drawing process”, International Journal of Mechanical Engineering and Technology (IJMET), Vol 3 No.2 (2012), pp.693 – 701. ISSN : 0976-6359 .
75. R.Uday Kumar, P.Ravinder Reddy, “Influence of viscosity on fluid pressure in hydroforming deep drawing process”, International Journal of Mechanical Engineering and Technology (IJMET), Vol 3 No.2 (2012), pp.604 – 609 .ISSN : 0976-6359 .
76. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Determination of blank holder pressure in hydroforming deep drawing process”, International Journal of Mechanical Engineering and Robotics Research (IJMERR), Vol 1 No.2 (2012), pp.242-249 . ISSN : 2278 – 0149
77. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “ Effect of Viscosity on Radial Stress”, Drawing Stress and Drawing Force in Fluid Assisted Deep Drawing Process, Special Issue of INCAMA 2009 - International Journal of Computer Aided Engineering and Technology (IJCAET), Vol 3, Nos. 5/6,

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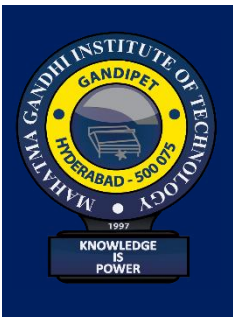
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(2011), pp.583 – 599 .ISSN : 1757-2665

78. G.Chandramohan Reddy, R.Uday Kumar, “Evaluation of deep drawability of sheet metals through finite element analysis”, International Journal of Engineering Studies (IJES) , Volume 2, Number 3 (2010), pp. 291–295. ISSN : 0975 – 6469
79. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Evaluation of hoop stresses of magnesium alloys through Fluid Assisted Deep Drawing Process”, International Journal of Mechanical Engineering and Material sciences (IJMEMS), Vol 2 No.2 (2009), pp.103-110 .ISSN : 0974-584X
80. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Comparative Studies on drawing stresses of magnesium alloys through Fluid Assisted Deep Drawing Process”, International Journal of Manufacturing science and Technology (IJMST),Vol 3 No 2 (2009),pp.207- 218.ISSN : 0973-5496
81. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Evaluation of Drawing stresses in Fluid Assisted Deep Drawing Process”, International Journal of Theoretical and Applied Mechanics (IJTAM), Vol 4 No. 3 (2009), pp.321-334 .ISSN :0973-6085
82. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Influence of Process Parameters and Viscosity on Radial Stresses in Fluid Assisted Deep Drawing Process”, International Journal of Applied Engineering Research (IJAER), Vol 4 No. 10 (2009), pp.1857-1870 . ISSN:0973-4562
83. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “ Analysis of Radial Stresses in Fluid Assisted Deep Drawing Process”, International Journal of Current Sciences, Vol 14 (1) : pp.341-354 (2009).ISSN : 0972-6101

Conferences:

1. G.Sreenivasulu Reddy, Dr.R.Kalaivanan ,Dr.R.Uday Kumar, “Overview on heat transfer through tube using internal grooves and inserts”, International Conference on Sustainable Energy Solutions for a Better Tomorrow,[SESBT-2021], 23-24 July 2021, Vellore Institute of Technology (VIT), Chennai.
2. G.Sreenivasulu Reddy, Dr.R.Kalaivanan, Dr.R.Uday Kumar, “Heat transfer enhancement on shell and coil type of heat exchanger using Sio2 and Cu nano fluids”, International Conference on Emerging Trends in Mechanical Engineering & Industrial Automation [ICETMEIA-2021], 30-31 July 2021, Narasaraopeta Engineering College, Narasaraopeta,Guntur Dt. Andhrapradesh.
3. A.Kalyan Charan, R.Uday Kumar, B.Balunaik, “Evaluation of thermal properties by incorporating perforations of various shapes in fins made with aluminum”, International Conference on Manufacturing, Material Science & Engineering,[ICMMSE-2020],18-19 December 2020, CMR Institute of Technology, Hyderabad.
4. Bharadwaj ankush Singh, R.Uday Kumar, Harika Pendli, “Smart collision avoidance and detection system”, International Conference on Research and advances in mechanical Engineering[ICRAME-2020],10-11 December 2020, Vignan Institute of Technology & Science,Hyderabad.
5. B.Ajay Kumar, K.Sirisha, R.Uday Kumar, “Development of robot navigation system”, International Conference on Research and advances in mechanical Engineering[ICRAME-2020],10-11 December 2020, Vignan Institute of Technology & Science,Hyderabad.
6. A.Kalyan Charan,R.Uday Kumar, B.Balunaik, “Evaluation of convective heat transfer coefficient and heat transfer rate through aluminum metal matrix composite fin made by stir casting”, International Conference on Research and advances in mechanical Engineering[ICRAME-2020],10-11 December 2020, Vignan Institute of Technology & Science, Hyderabad.



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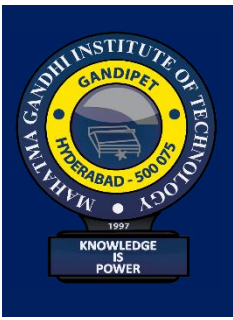
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EVENTS:

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7. N.Sai Kiran Chary, R.Uday Kumar, P.Kalyan, T.Ajay, “Automatic Phyto-Remediating plant care unit using RO Purifier Rejected Water”, AICTE Sponsored International Conference on Sustainable Development in Mechanical Engineering (SDME-2020), 30-31 October 2020, VNRVJIET, Hyderabad.
8. R.Uday Kumar, “Determination of Mechanical Properties of friction stir welded SS304L and AI 2014 Alloys”, International Conference on Advancements in AeroMechanical Materials for Manufacturing[ICAAMM-2020], 24-25 July 2020, MLR Institute of Technology, Hyderabad.
9. J.Pavan Kumar, K.Eshwaraiyah, R.Uday Kumar, “Determination of Limiting Drawing Ratio of Bimetal Sheet”, International Conference on Advancements in AeroMechanical Materials for Manufacturing[ICAAMM-2020], 24-25 July 2020, MLR Institute of Technology, Hyderabad.
10. K.V.Kasi Vishwanadham, R.Uday Kumar, K.S.Santhosh, “Evaluation and study of Formability Characteristics of sheet metals through Stretch Bend Test”, International Conference on Advancements in AeroMechanical Materials for Manufacturing[ICAAMM-2020], 24-25 July 2020, MLR Institute of Technology, Hyderabad.
11. R.Uday Kumar, “Determination of bending force and bend angle of sheet metal welds”, International Conference on Innovations in Mechanical Engineering [ICIME-2020], 10-11,January 2020, Guru Nanak Institutions(GNITC & GNIT), Hyderabad.
12. P.Yogesh Kumar, R.Uday Kumar, “Voice operated intelligent elevator mechatronics system”, International Conference on Innovations in Mechanical Engineering [ICIME-2020], 10-11,January 2020, Guru Nanak Institutions (GNITC & GNIT), Hyderabad.
13. K.C.Sabitha, P.Ravinder Reddy, A.Krishnaiah, R.Uday Kumar, “Evaluation of strain hardening exponent of tailor welded sheet metal blanks”, International Conference on Engineering and Advancement in Technology, 9-10 April 2019, Lords Institute of Engineering and Technology, Hyderabad.
14. K.Solomon Jones, R.Uday Kumar, “Robotic arm with real time human arm motion replication using IoT”, International Conference on Advancements in AeroMechanical Materials for Manufacturing[ICAAMM-2018], 13-14 July 2018, MLR Institute of Technology, Dundigal, Hyderabad.
15. K.C.Sabitha, P.Ravinder Reddy,A.Krishnaiah,R.Uday Kumar, “Evaluation of mechanical properties of tailor welded sheet metal blanks”,International Conference on Advancements in AeroMechanical Materials for Manufacturing[ICAAMM-2018], 13-14 July 2018, MLR Institute of Technology, Dundigal, Hyderabad.
16. J.Pavan Kumar, R.Uday Kumar,B.Ramakrishna, B.Ramu, K.Baba sahib, “Formability of sheet metals - A review”, International Conference on Advancements in AeroMechanical Materials for Manufacturing[ICAAMM-2018], 13-14 July 2018, MLR Institute of Technology, Dundigal, Hyderabad.
17. J.Pavan Kumar, R.Uday Kumar, K.C.Sabitha, “A study on effect of process parameters and defects in deep drawing of sheet metals”, International Conference on Recent Trends in Engineering &Technology [ICRTET-2017], 28-29, July 2017, Samskruti College of Engineering and Technology, Hyderabad. pp.1-4.
18. K.Baba Saheb, R.Uday Kumar, P.M.V.Rao, “Evaluation of bending characteristics of sheet metals”, International Conference on Recent Trends in Engineering &Technology [ICRTET-2017], 28-29, July 2017, Samskruti College of Engineering and Technology, Hyderabad.
19. A.KalyanCharan,R.Uday Kumar, B.Balunaik, “Heat transfer through bonded

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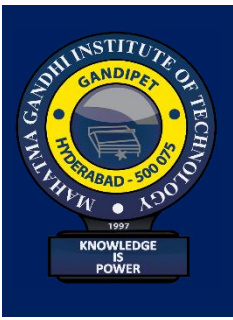
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- and coated composite fins”, International Conference on Recent Innovations in Science, Engineering and Management [ICRISEM-2017], 7th July 2017, Druva Institute of Engineering and Technology, Nalgonda.
20. K.Baba Saheb, R.Uday Kumar, P.M.V.Rao, “Formability of sheet metal blanks by erichsen cup test”, International Conference on Recent Trends in Engineering, Science, Technology and Management [ICRTESTM-2017], 24th April 2017, Swami Vivekananda Institute of Technology, Secunderabad, Hyderabad.
 21. K.Baba Saheb, R.Uday Kumar, P.M.V.Rao, “Study on mechanical properties and forming behavior of tailor welded blanks”, International Conference on Recent Innovations in Engineering and Technology[ICRIEAT-2016], 22-23, December 2016, Aurora's Scientific, Technological and Research Academy, Hyderabad.
 22. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Influence of radial distance on hoop stresses in hydro forming”, International Conference on Emerging Technologies in Mechanical Sciences [ICEMS-2016], 16-17, December 2016, Malla Reddy College of Engineering & Technology, Hyderabad.
 23. K.Praveen Kumar, R.Uday Kumar, K.Eshwara Prasad, “An overview of applications of tailor welded blanks in automotive industry”, International Conference on Recent Trends in Engineering, Science and Technology [ICRTEST-2016], 25-27, October 2016, St.Peter's Engineering College, Hyderabad.
 24. A.KalyanCharan, R.Uday Kumar, B.Balunaik, “Heat transfer enhancement through perforated fins”, International Conference on Emerging Trends in Mechanical Engineering [ICETIME-2016], 23-24, September 2016, Faculty of Science and Technology (FST), ICFAI Foundation for Higher Education (IFHE), Hyderabad.
 25. J.Pavan Kumar, R.Uday Kumar, “Mechatronics design and development of automated surveillance system”, International Conference on Emerging Trends in Mechanical Engineering [ICETIME-2016], 23-24, September 2016, Faculty of Science and Technology (FST), ICFAI Foundation for Higher Education (IFHE), Hyderabad.
 26. K.Praveen Kumar, R.Uday Kumar, “Formability and applications of tailor welded blanks in automotive industry”, International Conference on Emerging Trends in Mechanical Engineering [ICETIME-2016], 23-24, September 2016, Faculty of Science and Technology (FST), ICFAI Foundation for Higher Education (IFHE), Hyderabad.
 27. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Influence of viscosity on radial stresses at die corner in hydro assisted forming process”, International Conference on Emerging Trends in Mechanical Engineering [ICETIME-2016], 23-24, September 2016, Faculty of Science and Technology (FST), ICFAI Foundation for Higher Education (IFHE), Hyderabad.
 28. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “ Determination of hoop stresses in hydroforming process”, International Conference on Advancements in AeroMechanical Materials for Manufacturing[ICAAMM-2016], 7-9 July 2016, MLR Institute of Technology, Dundigal, Hyderabad.
 29. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Role of viscosity in hydroforming process”, International Conference on Materials Processing and Characterization[ICMPC-2016], 12-13 March, 2016, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.
 30. A.Kalyan charan , R.Uday Kumar, B.Balunaik, “Study on heat transfer

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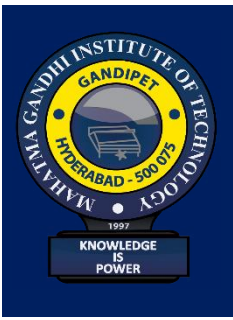
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through perforated fins”, International Conference on Paradigms in Engineering & Technology [ICPET-2016], 2-3, March 2016, Methodist College of Engineering & Technology ,Abids, Hyderabad.

31. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “ Influence of blank thickness in hydroforming deep drawing process”, International Conference on Paradigms in Engineering & Technology[ICPET-2016],2 -3, March 2016, Methodist College of Engineering & Technology ,Abids, Hyderabad.
32. K.V.Kasi Viswanadham, R.Uday Kumar, N.V.Srinivasulu, “Finite element simulation of sheet metals formability using OSUFT test”, International Conference on Technological Innovations in Mechanical Engineering[TIME-2016], 10-11,February, 2016, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad.
33. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Comparative study on radial stresses of sheet metals through hydroforming”, International Conference on Technological Innovations in Mechanical Engineering[TIME-2016], 10-11,February, 2016, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad.
34. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “ Effect of blank radius on radial stresses at die corner in hydro forming manufacturing process”, International Conference on Emerging Trends in Science Technology Engineering and Management [ICETSTEM-2015], 9-10, October 2015, Malla Reddy Engineering College, Hyderabad
35. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Determination of radial stresses of magnesium alloys through hydroforming deep drawing process using olive oil medium”, International Conference on Emerging Technologies in Mechanical Sciences [ICEMS-2014], 26-27, December 2014, Malla Reddy College of Engineering & Technology, Hyderabad.
36. VVN Satya Suresh, Srinivasa Prakash Regalla , R.Uday Kumar, “Experimental investigations, modeling and simulation of Tailor welded blanks - A review”, International Conference on advances in mechanical sciences [ICAMS-2014], 9-11, January, 2014, Vardhaman College of Engineering, Shamshabad, Hyderabad.
37. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Numerical analysis on influence of punch speed on fluid pressure in hydro forming process”, International Conference on advances in mechanical sciences [ICAMS-2014], 9-11, January, 2014, Vardhaman College of Engineering, Shamshabad, Hyderabad.
38. R.Uday Kumar, G.Chandramohan Reddy, “Evaluation of erichsan number and peak load of sheet metals”, International Conference on materials processing and characterization [ICMPC-2013],16-17,March,2013, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.
39. K.C.Sabitha, P.Ravinder Reddy, R.Uday Kumar, “An overview of tailor welded blanks in the field of manufacturing”, 2nd world conference on Applied sciences, Engineering & Technology (WCSET-2013), 8 - 9 , March 2013, Gitam University Hyderabad Campus, Hyderabad.
40. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Evaluation of fluid pressure in deep drawing process through CFD analysis”, International Conference on materials processing and characterization [ICMPC-2012], 8-10, March, 2012,Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.
41. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “CFD analysis on effect of punch radius on fluid pressure in fluid assisted deep drawing process”, International Conference on Advancements in Engineering and



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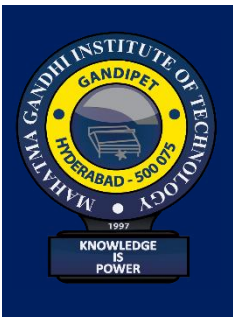
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- Management [ICAEM -2012], 28-29, Feb, 2012, Royal Institute of Technology & science, Hyderabad.
42. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Effect of viscosity on radial stress, drawing stress and drawing force in fluid assisted deep drawing process”, International Conference on Advanced Manufacturing and Automation [INCAMA-2009], 26-28, March, 2009, Kalasalingam University, Krishnankoil, Virudhinagar (Dist.), Tamilnadu.
 43. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Effect of Viscosity and blank geometry on Hoop Stresses in fluid assisted deep drawing process”, International Conference on Emerging Research and advances in Mechanical Engineering [ERA-2009], 19-21, March, 2009, Velammal Engineering college, Chennai.
 44. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Analysis of radial Stresses in Hydrodynamic deep drawing process”, International conference on Computational Methods in Engineering and Science (ICCMES -2009), 8-10, January, 2009, CBIT, Hyderabad,
 45. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Analysis of Stresses in Hydrodynamic deep drawing process”, International Symposium for Research Scholars on Metallurgy, Materials Science Engineering (ISRS-2008), 10-12, December, 2008, IIT Chennai.
 46. A.Kalyan charan, R.Uday Kumar, B.Balunaik, “Study on thermal analysis of rectangular plate perforated fin”, National Conference on Advances in Mechanical Engineering [AIM-2016], 6-7, October, 2016, Vasavi College of Engineering, Hyderabad.
 47. J.Pavan Kumar, R.Uday Kumar, “Remote controlled mechatronics system”, National Conference on Advances in Mechanical Engineering [AIM-2016], 6-7, October, 2016, Vasavi College of Engineering, Hyderabad.
 48. R.Uday Kumar, P.Ravinder Reddy, “Determination of thickness of slab in composite plane wall through heat transfer”, National Conference on Advances in Mechanical Engineering [AIM-2016], 6-7, October, 2016, Vasavi College of Engineering, Hyderabad.
 49. R.Uday Kumar, Srinivasa Prakash Regalla, P.Ravinder Reddy, “Parametric study on deep drawing”, National Conference on Design and Manufacturing Technologies for Product Life Cycle [DPLC-2016], 19-20, March 2016, Birla Institute of Technology & Science, Pilani, Hyderabad Campus, Shameerpet, Hyderabad.
 50. R.Uday Kumar, G.Chandramohan Reddy, “Determination of Diametrical ratio of sheet metals through finite element analysis”, National Conference on Developments, Advances & Trends in Engineering Sciences [NCDATES-2K16], 8-9 January, 2016, CMR Engineering College, Hyderabad.
 51. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Evaluation of radial stresses at die corner in hydro forming process”, National Conference on Advances in Mechanical Engineering [AIM-2015], 1-2, May, 2015, Vasavi College of Engineering, Hyderabad.
 52. R.Uday Kumar, P.Ravinder Reddy, A.V.Sitaramaraju, “Analysis of fluid pressure in Hydro forming process through punch”, National Conference on Advances in Mechanical Engineering [AIM-2013], 7-8, November, 2013, Vasavi College of Engineering, Hyderabad.
 53. R.Uday kumar, “Finite element method simulation of formability tests, National Conference on Trends in Mechanical Engineering, [TIME – 2003], 30th August 2003, KITS Warangal.

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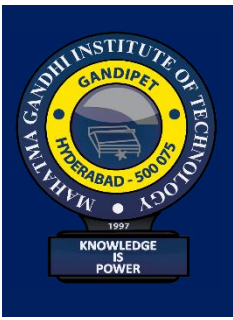
- Attended - 233

No. of Books/Chapter Published with details:

1. Text Book Titled, Experimental Analysis of Heat Transfer Through Composite System – Published by LAP - Lambert Academic Publishing, Germany, 09 March 2016. Online Sale Amount of 49.90 Euros. ISBN :978 - 3 - 659 - 85626 – 6
2. Text Book Titled, Analysis of Radial stresses in Hydrodynamic Deep drawing process – Published by LAP - Lambert Academic Publishing, Germany, 03,September 2012. Online Sale Amount of 49 Euros. ISBN :978- 3 -659-23032- 5

Events Attended**FDPs/STTPs:**

1. MeitY, Govt. of India, Sponsored One week Faculty development programme on "ICT in Advanced Manufacturing Engineering" organized by the E&ICT Academy and Department of Mechanical Engineering, National Institute Of Technology Warangal, during 27.05.2019-01.06.2019 [1 week].
2. One Week Short Term Training Programme on "3D Printing in Modern Engineering" organized by Department of Mechanical Engineering, ICFAI Foundation for Higher Education [Deemed to be University] , Hyderabad, during 22.04.2019-26.04.2019 [1 week].
3. Faculty development programme on "Recent Advances in Design and Development of Mechatronics & Robotic Systems" conducted by Department of Mechanical Engineering (Mechatronics), Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad during December 04-16,2017[2week]
4. Faculty development programme on "Current Trends in Materials and Manufacturing" conducted by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad during May 15-27,2017[2week]
5. Faculty development programme on "Emerging Trends in composite Materials and Industrial Applications" organized by Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad during March 20-25,2017[1 week]
6. Faculty development programme on "Finite Element Applications in Mechanical & Civil Engineering" organized by Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad during January 23-28,2017[1 week]
7. AICTE Sponsored Faculty development programme on "Latest Developments in Hydraulics, Pneumatics and Electronic Control Systems" organized by Department of Mechanical Engineering (Mechatronics), Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad during 04.05.2015 to 16.05.2015 [2 week]
8. ISTE-SRM Short Term Training Programme on "MECHATRONICS" organized by Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad and Sponsored by Indian Society for Technical Education, New Delhi and SRM University, Chennai, during 5-10 May 2014[1week].
9. AICTE Sponsored Faculty development programme on "Characterization of Materials and Processing of High Strength Materials" organized by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad during 25.06.2013 to 06.07.2013 [2 week]
10. "Faculty Development Program in Entrepreneurship" conducted by Entrepreneurship Development Cell - MGIT, Funded by AICTE New Delhi at MGIT, Gandipet, Hyderabad during the 22.04.2013 to 04.05.2013 (2 week).



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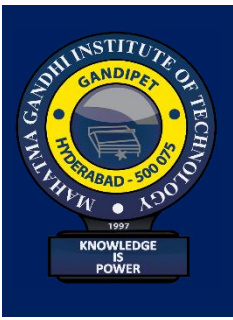
- Attended - 233

11. Powder Metallurgy Association of India [PMAI] Faculty Development Program on “Powder Metallurgy Short Course” conducted by Powder Metallurgy Association of India and Department of Metallurgical and Materials Engineering, Mahatma Gandhi Institute of Technology at MGIT, Gandipet, Hyderabad during 18 - 22, December, 2012[1 Week].
12. ISTE Faculty Development Program on “Teaching, Learning and Research in Engineering & Technology” conducted by ISTE Chapter – MGIT and Industry-Institute Partnership Cell-[IIPC – MGIT], Funded by AICTE New Delhi at MGIT, Gandipet, Hyderabad during the period of 30.07.2012 to 03.08.2012.(1 week).
13. AICTE Sponsored Staff development programme on “CFD Applications in Aeronautical & Mechanical Engineering” organized by Department of Aeronautical Engineering , Guru Nanak Institutions Technical Campus [Formerly Guru Nanak Engineering College], Ibrahimpatnam, Hyderabad during 28.05.2012 to 09.06.2012. [2 week]
14. AICTE Sponsored Staff development programme on “Recent Advances in Manufacturing Automation and Simulation” organized by Department of Mechanical Engineering, Chaitanya Bharathi institute of technology [CBIT] Gandipet, Hyderabad during 07.05.2012 to 19.05.2012. [2 week]
15. TEQIP Sponsored Continuing Education Programme [CEP] on “Rapid Prototyping” organized by Department of Mechanical Engineering, National Institute Of Technology Warangal, during 23-27, January, 2012, [1 week].
16. Short term training programme on “Mechatronics” organized by Department of Mechanical Engineering, MGIT during 12-16 July, 2010, Hyderabad. [1 week].
17. AICTE Sponsored Staff development programme on “Nano Materials And Nano Mechanics” organized by Department of Metallurgical Engineering, JNTUH college of Engineering, Kukatpally,Hyderabad during 22.06.2009 to 03.07.2009. [2 week].
18. Short term training programme on “Mechatronics” organized by Institute of Engineers (India), during 16-20 June, 2008, Hyderabad.[1week]
19. AICTE - ISTE short-term training programme on “Advanced Metal Working Techniques & Finite Element Simulations in Metal Forming” conducted by Dept. of Mechanical Engineering, CBIT, Gandipet, Hyderabad, From 30-6-03 to 11-7-03.(2 weeks]
20. ISTE short term training programme on “Robotics And Automation System” organized by Department of Mechanical Engineering, MGIT, during 2-7 June,2003, Hyderabad. (1 week).
21. AICTE/ISTE short-term course on “Technology Evaluation And Upgradation In The Functional Areas Of Ceramic Manufacturing Systems” conducted by Dept. of Mechanical Engineering ,KITS, Warangal, during December 11-23, 2000(2 weeks).

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

REFRESHER COURSES

1. UGC sponsored Refresher course on “Mechanical Engineering (Thermal Engineering)” conducted by Academic Staff College, JNTU, Hyderabad, from 17-01-02 to 06-02-02(3 weeks).
2. UGC sponsored Refresher course on “Energy Systems” conducted by Academic Staff College, JNTU, Hyderabad, from 01-08-01 to 21-08-01 [3weeks]



NATIONAL WORKSHOPS /SEMINARS

1. National Workshop on “Recent Trends and Research Opportunities in Manufacturing Processes”[RTROMP-2016], organized by Department of Automobile Engineering, VNR Vignana Jyothi Institute of Engineering and Technology, Bachupalli, Hyderabad during 9-11, March 2016[3 Days].
2. One day workshop on “Advances in Materials Joining Technologies ” (AMJT 2015) conducted by Indian Institute of welding, Hyderabad Branch, Hyderabad on 29th May 2015[1 Day].
3. National seminar on “Metallurgy for Non Metallurgists” organized by TRA Education & Research Foundation Hyderabad and Dept. of Metallurgical and Materials Engineering, held at Mahatma Gandhi Institute of Technology Hyderabad, During 29-30 January 2015.
4. TEQIP - II, Supported by IIPC &ISTE Sponsored Workshop on Advances in Thermal Engineering organized by Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology [CBIT] Gandipet, Hyderabad during 28-29 November, 2014 [2 Days].
5. One day workshop on “Advances in Welding and Surface Engineering” conducted by Indian Institute of welding ,Hyderabad Branch, Hyderabad on 17th October 2014[1 Day].
6. Two day workshop on “Design of Experiments, Taguchi Optimization & Response Surface Methodology” conducted by Dept. of Mechanical Engineering, JNTUH College of Engineering Hyderabad, under TEQIP-II during 6 -7, December 2013[2 Days].
7. National Workshop on “Advances in Computational Fluid Dynamics : Methods and Applications ”organized by Dept. of Mechanical Engineering National Institute Of Technology Warangal, under TEQIP-II during 17-19, October 2013 [3 Days].
8. TEQIP - II, Supported by IIPC &ISTE Sponsored Workshop on Recent Trends in Manufacturing organized by Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology [CBIT] Gandipet, Hyderabad during 29 - 30 July, 2013 [2 Days].
9. AICTE - IIPC Sponsored programme one day seminar on “Innovation and Technology for Sustainable Development” organized by Dept. of Physics and Chemistry, MGIT, Gandipet , Hyderabad on 12th April 2012.
10. TEQIP Sponsored Workshop on Nano Technology and its Applications organized by Department of Mechanical Engineering, Chaitanya Bharathi institute of technology [CBIT] Gandipet, Hyderabad during 27 - 28 February 2012. [2 Days].
11. AICTE - ISTE Sponsored National workshop on “Latest Trends in process control & Automation” organized by Dept. of Instrumentation and Control Engineering, GNITS, Hyderabad, during 30.11.09 to 04.12.2009 [1 week].
12. National Workshop on “Modern Trends in Mechanical Engineering” organized by Dept. of Mechanical Engineering, Muffakham jah College of Engineering &Technology , Hyderabad, during 8 – 10, July 2009.
13. National workshop on “Advances in Manufacturing” organized by Dept. of Mechanical Engineering, CBIT, Hyderabad, during 15-17, March, 2007.
14. National Workshop on “Air conditioning system design and energy conservation” organized by Dept. of Mechanical Engineering, CBIT, Hyderabad, during 31.3.2005 to 2.4.2005.
15. National Workshop on “Surface modifications and its applications in industry” organized by Dept. of Mechanical Engineering, Muffakham jah College of Engineering &Technology , Hyderabad, during 18–20 December 2003.

ADDRESS:

- B– Block -Room No 103

JNTUH ID:

12150331-022559

EMAIL:

rudaykumar_mct@mgit.ac.in

DATE OF JOINING:

06-11-1998

EXPERIENCE – 23 Years

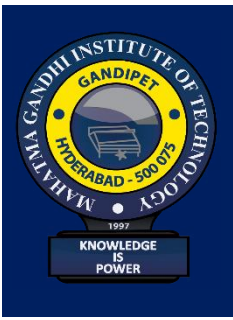
- Teaching - 23
- Research -11

SUMMARY:

- Publications - 83
- Conferences - 53
- Books – 2
- Honors/Awards - 4

EVENTS:

- Attended - 233



16. "Entrepreneurship Awareness Camp" organized by Centre for Bharatiya Marketing Development [CMBD] Hyderabad supported by Dept. of Science & Technology [DST] New Delhi held at Mahatma Gandhi Institute of Technology, Hyderabad, During 17-19 August,2000.

GUEST LECTURES/INVITED LECTURES DELIVERED

1. Acted as resource person in Five day Online Faculty Development programme - Research Methodologies in Mechanical Engineering (A Refresher Approach); on the topic Advancements in sheet metal forming, organised by Department of Mechanical Engineering, Narsimha Reddy Engineering College, Hyderabad during 30th July 2020 to 04th August 2020.
2. Delivered keynote invited lecture on "Technology of sheet metal forming and Hydro-forming" on 11.01.2020 at International Conference on Innovations in Mechanical Engineering [ICIME-2020], organised by Dept.of Mechanical Engineering, Guru Nanak Institutions(GNITC & GNIT), Hyderabad during 10-11,January 2020.
3. Delivered invited lecture on " Recent trends in sheet metal forming technologies " Dated 26.05.17 at Two week Faculty development programme on "Current Trends in Materials and Manufacturing" conducted by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad during May 15-27,2017 [2week]
4. Delivered Guest Lecture at 3 week Refresher course on 'Research Methodology' Conducted by JNUH College of Engineering Jagityal during 11.06.2012 to 30.06.2012.

ONLINE PROGRAMMES ATTENDED

FDPs/STTPs : 80

WEBINARS/SEMINARS : 76

WORKSHOPS : 25

INSTITUTION'S INNOVATION COUNCIL(IIC)(IIC-MHRD): 09

Online Certifications:

1. NPTEL on Introduction to Mechanical Micro machining
2. NPTEL on Engineering Metrology
3. Coursera –Material science, Mechanics of materials I, Advanced manufacturing process analysis,Introduction to Thermodynamics,Digital manufacturing & Design,Intro to acoustics (Part 1),Mechanics of materials -II, Mechanics of materials III,Applications in Engineering mechanics, Engineering systems in Motion.

Any Other Contribution:

Reviewer, Associate Editor, Editorial board member, member of advisor for the following International Journals :

1. International Journal of Mechanical Engineering and Technology
2. International Journal of Advanced Research in Engineering and Technology
3. International Journal of Production Technology and Management
4. International Journal of Design and manufacturing Technology
5. International Journal of Industrial engineering Research and Development

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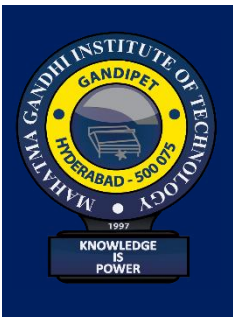
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6. International Journal of Thermal Engineering
7. International Journal of Pure And Applied Research in Engineering and Technology
8. International Journal of Application or Innovation in Engineering & Management
9. IPASJ- International Journal of Mechanical Engineering
10. International Journal of Research in Engineering and Technology

Session chaired

- Session Chair for International Conference on advances in mechanical sciences [ICAMS-2014], organised by Dept.of Mech.Engg, Vardhaman College of Engineering, Shamshabad, Hyderabad,during 9-11, January, 2014.
- Session Chair for International Conference on Emerging Trends in Mechanical Engineering -2016 [ICETIME-2016],organised by Dept.of Mech.Engg., Faculty of Science and Technology (FST), ICFAI Foundation for higher Education (IFHE) Hyderabad, during 23-24, September 2016.
- Session Chair for National Conference on Advances in Mechanical Engineering [AIM-2016],Organised by Dept.of Mechanical Engineering, Vasavi College of Engineering, Hyderabad during 6-7, October 2016.
- Session Chair for International Conference on Advancements in Aeromechanical Materials for Manufacturing [ICAAMM-2018], organised by Dept.of Aeronautical and Mech.Engg , MLR Institute of Technology, Dundigal, Hyderabad during 13-14 July 2018.
- Session Chair for International Conference on Innovations in Mechanical Engineering [ICIME-2020], organised by Dept.of Mechanical Engineering, Guru Nanak Institutions(GNITC & GNIT), Hyderabad during 10-11,January 2020.
- Session Chair for International Conference on Advancements in AeroMechanical Materials for Manufacturing[ICAAMM-2020], 24-25 July 2020, organised by Dept.of Aeronautical and Mech.Engg, MLR Institute of Technology, Hyderabad
- Session Chair for International Conference on Research and advances in mechanical Engineering[ICRAME-2020],10-11 December 2020, Vignan Institute of Technology & Science, Hyderabad.
- Session Chair for International Conference on Advancements in AeroMechanical Materials for Manufacturing[ICAAMM-2021], 27-28 August 2021, organised by Dept.of Aeronautical and Mech.Engg, MLR Institute of Technology, Hyderabad.

Recognized Ph.D.Supervisor for Mechanical Engineering in OSMANIA UNIVERSITY , Hyderabad.

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