1	Name of Faculty	Mrs. Venkata Sushma Chinta	
2	Designation	Assistant Professor	
3	Nature of Job/Appointment	Regular	
4	Date of Joining	20–01–2014	
5	E-mail	Venkatasushmachinta_mech@cbit.ac.in	
6	Education Qualifications	**Name of the Degree**	**Class**
	Ph. D	Doctor of Philosophy (mechanical)	Pursuing
	PG	M. E. (CAD/CAM)	First
	UG	B. Tech. (Mechanical)	First
7	Work Experience		
	Teaching	12 Years	
	Research	--	
	Industry	--	
	Others	--	
8	Area of Specialization	CAD/CAM, Composites, Fracture Mechanics, FEA	
9	Professional Memberships	--	
10	Responsibilities held at Institution Level	Co-Coordinator for “Home Coming 2017”, CBIT ALUMNI MEET from Mechanical Department on 25th December 2017.	
11	Responsibilities held at Department Level	1. Program Content committee member of Alumni, MED, CBIT 2. Coordinator for Industrial visit of V sem Mechanical and Production students to Steel Plant, Hindustan Shipyard LTD, Visakhapatnam from 25th to 29th September 2019. 3. Coordinator for Conducting Solid works Associate-CSWA exam for VII sem mechanical and production students on 18/09/2019 4. Member, Informatics Group, MED, CBIT. 5. Member, Anti-Ragging Committee	
12	Research Guidance	--	
13	Awards Received	1. Received best paper Award for the paper titled “Investigation of Mechanical properties of bidirectional carbon / glass reinforced Epoxy hybrid composites” on 30/06/2018. 2. Received silver medals from CBIT for the best academic performance in M.E (CAD/CAM) during the years 2012 &2013.	
14	Courses Handled at Under Graduate / Post Graduate Level.	Mechanics of Materials, CAD/CAM, CAD and FEM, Programming and program solving, object-oriented programming language using C++, Engineering Graphics and Design	
15	No. of Papers Published	National Journals –NIL	International Journals – 13
		National Conference – 01	International Conference – 04
16	Projects Carried out	--	
17	Patents	--	
18	Technology Transfer	--	
19	Invited Speaker	Resource person for the “Finite Element Applications in Mechanical and Civil Engineering (FEAMCE-2017)” under TEQIP-II during 23rd-28th January, 2017 at CBIT.	
20	No. of Books/Chapter Published with details	Proceedings on “Emerging Trends in Composite Materials and Industrial Applications”, Vrinda Publishing House, ISBN 978-93-85518-09-6.	
21	Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops. Other Trainings (Attended and/or Organized).	1. Organized a One Week Online Faculty Development Program as a coordinator on “Emerging Trends in Composite Materials and Industrial Applications”, during 28-06-20 to 02-07-2020. 2. Coordinator for the Alumni talk by Mrs. M. Lakshmi Prasanna, DGM(IMM), BDL, Kanchan Bagh (Alumni Knowledge Partner) on 19th February 2020 on “supply chain management”. 3. Successfully completed one-week faculty development program on “Industry 4.0- A Vision of Design & Manufacturing”, organized by CBIT, Hyderabad during 16/06/2020 to 20/06/2020.	

		4. Successfully completed ATAL Faculty development program on “3D printing & Design” by NITW during 15/06/2020 to 19/06/2020. 5. Successfully completed Two-day online FDP “Effective technical report writing using Latex organized by MGIT, Hyderabad during 08/06/2020 to 09/06/2020. 6. Successfully completed one-week faculty development program on “OBE & NBA Accreditation” organized by CBIT, Hyderabad during 28/05/2020 to 01/06/2020. 7. Successfully participated in the “IIC Online Sessions conducted by Institution's Innovation Council” of MHRD's Innovation Cell, New Delhi from 28th April to 22nd May 2020 during COVID-19 nationwide lockdown. 8. Successfully completed A 3-day workshop on “Effective and Efficient Online Teaching in the Age of Corona, A Hands-on workshop” on 17th May 2020 (during 16-24) involving three days of video lectures and hands-on-work by IIT Bombay Bodhi Tree Platform. 9. Successfully completed an online 5 weeks non-credit course “Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading” authorized by Georgia Tech and offered through Coursera on 06/05/2020. 10. Successfully Completed “Materials Science: 10 Things Every Engineer Should Know” authorized by University of California, Davis and offered through Coursera on 29/04/2020. 11. Successfully completed one-week AICTE recognized faculty development program on “CAD/CAM” from 27/04/2020 to 01/05/2020 by NITTTR, Chandigarh. 12. Successfully completed one-week AICTE recognized faculty development program on “Climate Change, Disaster and Pandemic Management: Technological Interventions for Sustainable Development” from 20/04/2020 to 24/04/2020 by NITTTR, Chandigarh. 13. Successfully Completed “Digital Manufacturing and Design” an online non-credit course offered by university of buffalo the state university of New York through Coursera on 20/04/2020. 14. Successfully completed one-week faculty development program on Finite Element Methods for beginners from 20/04/2020 to 24/04/2020 by CHITKARA University, Punjab. 15. Successfully completed one-week AICTE recognized faculty development program on “cloud, Fog and Edge computing” from 14/04/2020 to 18/04/2020 by NITTTR, Chandigarh. 16. Successfully completed one-week AICTE recognized faculty development program on “Internet of Things” from 10/04/2020 to 14/04/2020 by NITTTR, Chandigarh. 17. Successfully completed one-week faculty development program on “Manufacturing of Composites” by NPTEL (Aug-Oct2019). 18. Successfully completed one-week faculty development program on “Essential Computational Techniques for Research” organized by Malla Reddy Engineering College from July1st- 6 th, 2019. 19. Successfully completed one-week faculty development program on “Concepts and Applications of Finite Element Method” 13th -18th June 2016 Indian Institute of Technology, Hyderabad.
22	Details of Journal Publications/ Conferences (National and International)	
	International Journal 1. Venkata Sushma Chinta & P Radhakrishna Prasad (2020), “Investigation of Damage Detections on Glass/Jute-Epoxy, Glass-Epoxy and Jute-Epoxy Composite Beams with An Edge Crack Using Modal Analysis”, International journal of Mechanical and production Engineering Research and Development, Volume 10, issue3, pp. 401-407. 2. Venkata Sushma Chinta., Ravinder Reddy P., Eshwara Prasad K., Venkata Sai Kiran B. (2020) “Experimental and Finite Element Analysis of Fracture Parameters of woven Glass/Epoxy Composite” Recent Trends in Mechanical Engineering, Lecture Notes in Mechanical Engineering. pp. 649-660, Springer, Singapore. 3. Venkata sushma chinta, P. Ravinder Reddy, Koorapati Eshwara Prasad, Krishna Sai Vadapally, Sathola Anand, B. Venkata Sai Kiran(2019), Characterization of Glass/Jute Hybrid Fibre Reinforced Epoxy Composite for Axial Flow Fan Blade, Volume 7, issue3, pp. 32-43.	

4. Venkata Sushma Chinta, P. Ravinder Reddy, Koorapati Eshwara Prasad, Krishna Sai Vadapally (2019), Investigation of Fracture Parameters of Jute/Glass Reinforced Hybrid Composite and Analysis by Using FEA, Lecture Notes in Mechanical Engineering, Springer, pp. 215-228
5. Venkata Sushma Chinta, P. Ravinder Reddy, Eshwara Prasad Koorapati, Sathola Anand (2019), Investigation of Fracture Toughness of Bidirectional Jute / Epoxy Composite and Analysis by using FEA, International journal of Mechanical and production Engineering Research and Development, Volume 8, pp. 449-456.
6. Venkata Sushma Chinta, Y Nagini, V Sandhya, E Hima Nandini, Shaheen,J Suteja(2018) " Investigation of Mechanical properties of bidirectional carbon / glass reinforced Epoxy hybrid composites", International journal of Mechanical and production Engineering Research and Development, Volume 8, pp. 449-456.
7. Venkata Sushma Chinta, Kokkula Monika (2018), "Augmentation of Heat Transfer in Forced Convection Using Twisted Tape Inserts", International Journal of Creative Research Thoughts", Volume 6, issue1, pp. 955-965.
8. L.Ramayee, Ch.V.Sushma, P. Ravinder Reddy, P. Surender Reddy(2016) " Design and Analysis of a Mechanical Bus Seat Recliner" , International Journal on Mechanical Engineering and Robotics (IJMER), Volume 4, Issue 4 pp. 61-67.
9. D. Gopinah, Ch. V. Sushma(2015), "Design and Optimization of Four Wheeler Connecting Rod Using Finite Element Analysis", Materials Today: Proceedings, Elsevier Ltd, Volume 2, Issues4–5 pp.2291-2299.
10. Ch. V. Sushma, Dr. P. Ravinder Reddy, P. Surender Reddy, L. Ramayee (2015), "Thermal and structural analysis of disc brake with square/ circular groove for Two-wheeler", International Advanced Research Journal in Science, Engineering and Technology, Volume2, Issue7 pp.74-79.
11. Joshi Gowri Sankar, Dr. P. Ravinder Reddy, V. N. Krishna Reddy, Ch. V. Sushma (2013), "Buckling Analysis of Thin Carbon/ Epoxy Plate with Circular Cut-Outs Under Biaxial Compression by Using FEA", International Journal of Research in Engineering and Technology. Volume2, Issue10 pp. 296-301.
12. Joshi Gowri Sankar, Dr. P. Ravinder Reddy, Ch. V. Sushma (2013) "Buckling Analysis of Thin Carbon/Epoxy Plate by Using FEA" International Journal of Engineering Research and Technology , Volume2, Issue9 pp.515-523.
13. Ch. V. Sushma, P. Ravinder Reddy, P. Rama Lakshmi (2013) "Investigation of fracture parameters of compact tension specimen by FEA", International Journal of Engineering Research and Technology, Volume 2, Issue 6 pp. 1587-1591.

International /National Conferences

1. Venkata Sushma Chinta, "Investigation of Fracture parameters of Jute/Glass reinforced Hybrid composite and Analysis by using FEA", 1st International conference on emerging trends in mechanical Engineering, ICETME-2018, SRIT, Anantapuram, 20th -22nd Dec2018, ISBN:968-81-939258-8-4.
2. Venkata Sushma Chinta, "Experimental and Finite Element Analysis of Fracture parameters of Glass-Epoxy Composite", 4th -5th Jan2019, 2nd International conference on innovations in mechanical Engineering, ICIME-2019, Gurunanak Group of Institutes, Hyderabad, ISBN:978-81-939248-8-4.
3. CH.V. Sushma, "Design and Optimization of Four-Wheeler Connecting Rod Using Finite Element Analysis" Materials Today: Proceedings, 4th international conference on Material processing and characterization June 2015 pp. 50.
4. CH.V. Sushma, "Design and Analysis of a Mechanical Bus Seat Recliner, TIME 2016, ISSN:2321-5747, IRD INDIA on 10 th -11 th feb 2016.
5. CH.V. Sushma, "Investigation of Stress Intensity Factor of Aluminum Plate by FEA" National conference on advances in mechanical engineering and renewable energy AMERE-2013, Hyderabad on 25th & 26th March, 2013. pp:48-55