

1	Name of Faculty	Dr. MANOWAR HUSSAIN		
2	Designation	Assistant Professor		
3	Nature of Job/Appointment	Regular		
4	Date of Joining	19-07-2019		
5	E-mail	manowar_mech@cbit.ac.in		
6	Education Qualifications	Name of the Degree	Class	
	Ph. D	Doctor of Philosophy (Mechanical)	Awarded	
	PG	M. Tech. (Manufacturing)	First	
	UG	B. Tech. (Production)	Distinction	
7	Work Experience			
	Teaching	02 Years		
	Research	04 years		
	Industry	01 year		
	Others	--		
8	Area of Specialization	Manufacturing, Laser material processing, Non-Conventional Processes		
9	Professional Memberships	Life Member: ISTE; Number: LM- 125691 Life Member: Indian Laser Association; Number: LM- 1292		
10	Responsibilities held at Institution Level	1. R&E Coordinator (Mechanical Engineering), from 06-12-2019 to till date.		
11	Responsibilities held at Department Level	Member, Informatics Team		
12	Research Guidance	--		
13	Awards Received	--		
14	Courses Handled at Under Graduate / Post Graduate Level.	Machine Tool Engineering, Metrology and Instrumentation, Production Technology, Engineering Graphics, Workshop Practices		
15	No. of Papers Published	National Journals – 00	International Journals – 26	
		National Conference – 00	International Conference – 04	
16	Projects Carried out	--		
17	Patents	1. "Improved Biomedical Implants Using Titanium Alloy Based Metal MatrixComposite", Patent Application No.201941012759A, Publication Date: 02-08-2019. 2. "Method for Manufacturing of Magnetic Nano-Fluids using Micro-EDM Process" Application No.202041016827A, Publication Date: 03-07-2020.		
18	Technology Transfer	--		
19	Invited Speaker	--		
20	No. of Books/Chapter Published with details	--		
21	Details of Short-Term Training Programs /Faculty Development Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized).	1. One Week Faculty Development Program on "Engineering Optimization" organized by NITTTR, Chandigarh from 13-07-2020to 17-07-2020. 2. One Week Faculty Development Program on "Materials Processing and Optimization" organized by NITTTR, Chandigarh from 06-07-2020to 10-07-2020. 3. A One Week Faculty Development Program on "Advanced Materials and Manufacturing" organized by KITS Warangal from 29-06-2020 to 03-07-2020. 4. A one Week online Faculty Development Program on "Optimization Techniques & Tools for Mechanical Engineers" Organized by Mechanical Engineering Department of Sreenidhi Institute of Science & Technology, Hyderabad from 22-06-2020 to 27-06-2020. 5. One Week Faculty Development Program on "Mechanical Manufacturing and Process optimization" organized by NITTTR, Chandigarh from 25-06-2020 to 29-06-2020. 6. A One Week Faculty Development Program on "Industry 4.0-		

		<p>A Vision of Design & Manufacturing", organized by CBIT(A), Hyderabad from 16-06-2020 to 20-06-2020.</p> <p>7. A One Week Faculty Development Program on "Outcome based education and NBA accreditation process-UG" organized by CBIT from 28-05-2020 to 01-06-2020</p> <p>8. A One Week Faculty Development Program on "Computer Integrated Manufacturing & CNC (CIM/CNC)" organized by NITTTR, Chandigarh from 25-05-2020 to 29-05-2020.</p> <p>9. A One day of video lectures and hands-on workshop on "Effective and Efficient Online Teaching in the Age of Corona, A hands on Workshop" on 24 May 2020 by IIT Bombay.</p> <p>10. A One Week Faculty Development Program on "Modeling and simulation using MATLAB" organized by NITTTR, Chandigarh from 18-05-2020 to 22-05-2020.</p> <p>11. Successfully Completed "Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading" an online non-credit course authorized by Georgia Institute of Technology offered through Coursera on 12-05-2020</p> <p>12. Successfully Completed 12 Week NPTEL Online Certification Course on "NBA Accreditation and Teaching - Learning in Engineering (NATE)" offered through SWAYAM on Jan-Apr 2020.</p> <p>13. Successfully Completed four Week NPTEL Online Certification Course on "Metal Cutting and Machine Tools", offered through SWAYAM on Jan-Apr 2020.</p> <p>14. Two days online workshop on "Intellectual Property Rights" organized by Pandit Deendayal Petroleum University, Gandhinagar from 10-04-2020 to 11-04-2020.</p>
22	Details of Journal Publications/ Conferences (National and International)	--
	<p>International/ National Journal from the Year 2017</p> <ol style="list-style-type: none"> 1. Manowar Hussain, Pranshu Gupta, P. Kumar, A. K. Das (2020). Selective Laser Melting of Single Track on Ti-6Al-4V Powder: Experimentation and Finite Element Analysis. Arabian Journal for Science and Engineering, 45(2), 1173-1180. (SCI; IF 1.711) 2. Manowar Hussain, G. N. Ahmad & P. Kumar. (2020). A Study on Welding of Thin Sheet of Ti6-Al-4V Alloy Using Fiber Laser and Its Characterization. Lecture Notes in Mechanical Engineering, In Recent Trends in Mechanical Engineering Springer, Singapore. 271-280. ISSN: 2195-4356 (Scopus) 3. P. Kumar & Manowar Hussain (2020). Effects of Micro-EDM Parameters on the Surface Integrity of the Micro-Holes Fabricated on Nickel Sheet. In Recent Trends in Mechanical Engineering Springer, Singapore., 259-270. (Scopus) 4. P. Kumar & M. Hussain (2020). Optimization of Micro-electro Discharge Drilling Parameters of Ti6Al4V Using Response Surface Methodology and Genetic Algorithm. In Numerical Optimization in Engineering and Sciences, 449-456. Springer, Singapore. (Scopus) 5. Md. Aleem Pasha, T. N. Aditya, A. Chandrakanth, Manowar Hussain (2020). Evaluation of Optimum Input Process Parameters and Theoretical Optimum Response Parameters of FDM. Alochana Chakra Journal, Vol. IX, Issue V, 7324-7332. 6. T. N. Aditya, Md. Aleem Pasha, A. Chandrakanth, Manowar Hussain (2020). Evaluation of Tensile Strength of Friction Stir Processed Al6063 with SiC Reinforcement. Alochana Chakra Journal, Vol. IX, Issue V, 6234-6240. 7. Saurav Misra, Manowar Hussain, Ankit Gupta, Alok Kumar Das (2019). Fabrication and characteristic evaluation of direct metal laser sintered SiC particulate reinforced Ti6Al4V MMC's. Journal of Laser Applications, 31(1), 012005. (SCI; IF 1.937). 8. V. Prakash, P. Kumar, P. K. Singh, M. Hussain, A. K. Das & S. Chattopadhyaya (2019). Micro-electrical discharge machining of difficult-to-machine materials: A review. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 233(2), 339-370. (SCI; IF 1.982) 9. Pankaj Kumar, Manowar Hussain, Alok Kumar Das: Effect of process parameters on the Surface Integrity of micro-holes of Ti6Al4V obtained by micro-edm, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) 8(6), Dec, 2019, 721-728. (Scopus) 10. Himanshu Shekhar Gupta, M. Hussain, P. K. Singh, V. Kumar, S. Kumar, and A. K. Das. (2019) "Laser Surface Modification of SAE8620 HVD Material for Transmission Gear." Materials Today: Proceedings 11 (2019): 813-817. (Scopus) 11. Ankit Gupta, Manowar Hussain, Saurav Misra, Alok Kumar Das, Amitava Mandal (2018). Processing and characterization of laser sintered Hybrid B₄C/cBN reinforced Ti-based metal matrix composite. Optics and Lasers in Engineering, 105, 159-172. (SCI; IF 4.273). 12. Sudip Kundu, Manowar Hussain, Vikas Kumar, Shakti Kumar, and Alok Kumar Das (2018). "Direct metal laser sintering of TiN reinforced Ti6Al4V alloy based metal matrix composite: Fabrication and characterization." The International Journal of Advanced Manufacturing Technology, 97(5-8), 2635-2646. ISSN: 1433-3015. (SCI; IF 2.633) 13. P. K. Singh, N. K. Singh, H. Bishwakarma, M. Hussain, A. K. Das, & B. H. Prasad. (2018). Effect of annealing on silver oxide nano-particle generated by electrochemical discharge machining. Materials Today: Proceedings, 5(13), 26804-26809. (Scopus) 14. Manowar Hussain, V. Mandal, V. Kumar, A. K. Das, & S. K. Ghosh. (2017). Development of TiN particulates reinforced SS316 based metal matrix composite by direct metal laser sintering technique and its characterization. Optics & Laser Technology, 97, 46-59. ISSN: 0030-3992. (SCI; IF 3.233) 	

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| | <ol style="list-style-type: none"><li data-bbox="288 91 1473 203">15. Manowar Hussain, V. Mandal, P. K. Singh, P. Kumar, V. Kumar & A. K. Das (2017). Experimental study of microstructure, mechanical and tribological properties of cBN particulates SS316 alloy based MMCs fabricated by DMLS technique. <i>Journal of Mechanical Science and Technology</i>, 31(6), 2729-2737. ISSN: 1976-3824.(SCI; IF 1.345)<li data-bbox="288 203 1473 293">16. Manowar Hussain, V. Kumar, V. Mandal, P. K. Singh, P. Kumar & A. K. Das (2017). Development of cBN reinforced Ti6Al4V MMCs through laser sintering and process optimization. <i>Materials and Manufacturing Processes</i>, 32(14), 1667-1677. ISSN: 1532-2475.(SCI; IF 3.690)<li data-bbox="288 293 1473 374">17. Vijay Mandal, Manowar Hussain, Vikas Kumar, Alok Kumar Das, N.K Singh (2017). Development of reinforced TiN-SS316 metal matrix composite (MMC) using direct Metal laser sintering (DMLS) and its characterization. <i>Materials Today: Proceedings</i> 4, 9982–9986 (Scopus). |
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