

Name of Faculty Dr. Md. Aleem Pasha  
 Designation Associate Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 20 - 10 - 2016  
 E-mail Aleempasha\_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Mechanical)	Awarded
PG	M.E. (CAD/CAM)	First
UG	B. Tech. (Mechanical)	Distinction

**Work Experience**

Teaching	16 Years
Research	09 years
Industry	--
Others	--
Area of Specialization	CAD/CAM, Friction Stir Welding.
Professional Memberships	--
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	1. Member, Performance Assessment Committee 2. Project Co-coordinator, Production, 2019-20 A.Y
Research Guidance	--
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	EG&D, MCW, PDPP, CIM, NDTE, AE, MTE, MMFM, ERM RM (UG&PG)
No. of Papers Published	National Journals – 02 International Journals – 33 National Conference – 02 International Conference – 04
Projects Carried out	--
Patents	“A composite material extrusion and method of manufacturing Thereof”. Application No. 201741015659A, Date of filing Application: 03-05-2017, Publication Date: 12-05-2017, Invention classification: B29C, Granted on 27-12-2021
Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	1. Book Titled “Reinforced and Unreinforced Friction stir welding of Aluminium Alloy 6061” Published by PAP LAMBERT Academic Publishing, ISSN-10: 613957773X, ISSN-13: 978-6-13-9- 57773-6, March, 2018. 2. Book Titled “Friction Stir Welding of Magnesium Alloy AZ31B”, Published By PAP LAMBERT Academic Publishing, ISBN-13: 978-613-9-58742-1, ISBN-10: 6139587425, April, 2018.

3. Book Titled "Friction Welding of Brass and statistical Modelling", Published by PAP LAMBERT Academic Publishing, ISBN-13: 978- 6139583935, ISBN 10: 6139583934, April, 2018.
4. Book Chapter "SiC and Al2O3 Reinforced Friction Stir welded joint of Aluminium Alloy 6061", book titled of Strengthening and Joining Plastic Deformation Published by Springer, ISBN 978-13-0377- 7(P), ISSN 978-981--13-0378--4Published on June 06, 2018.
1. Successfully Completed "Material Science: 10 Things Every Engineer Should Know" an online non-credit course authorized by University of California, Davis and offered through Coursera on 13-04-2020.
2. Successfully Completed "Digital Manufacturing & Design" an online non-credit course authorized by University at Buffalo and
- 3.
4. The State University of New York and offered through Coursera on 15-04-2020
5. Successfully Completed "Ferrous Technology I" an online non- credit course authorized by Pohang University of Science and Technology and offered through Coursera on 16-04-2020
6. Successfully Completed "Ferrous Technology II" an online non- credit course authorized by Pohang University of Science and Technology and offered through Coursera on 17-04-2020.
7. Successfully Completed "Understanding Research Methods" an online non-credit course authorized by University of London and SOAS University of London and offered through Coursera on 18- 04-2020.
8. Successfully Completed "Mechanics of Materials: Fundamentals of Stress & Strain and Axial Loading" an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 20-04-2020
9. Successfully Completed "Introduction to Engineering Mechanics" an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera on 30-04-2020.
10. Successfully Completed A 12 Week NPTEL Online Certification Course on "NBA Accreditation and Teaching - Learning in Engineering (NATE) and offered through SWAYAM on Jan-Apr 2020.
11. A One Week Online Faculty Development Program on "Recent Advances in Mechanical Engineering: A Research Perspective", by MGIT, Hyderabad during 06-07-2020 to 10-07-2020.
12. A One Week Online Faculty Development Program on "Advanced Materials and Manufacturing", by KITS, Wrangal during 29-06- 2020 to 03-07-2020
13. A One Week Online Faculty Development Program on "Advancements in Manufacturing and Optimization Techniques" (AMOT-2020), by Jayamukhi Institute of Technological Sciences, Narsampet during 22-06-2020 to 26-06-2020.
14. A One Week Online Faculty Development Program on "Design Services in Advanced Manufacturing" by Mahaveer Institute of Science & Technology, Hyderabad during 22-06-2020 to 27-06- 2020.
15. Organized A One Week Online Faculty Development Program on "Industry 4.0 – A Vision of Design and Manufacturing" by CBIT (A), Hyderabad during 16-06-2020 to 20-06-2020.
16. A one Week STTP on "MATLAB for ALL" by Sir M Visvesvaraya Institute of Technology, Bangalore during 04-06-2020 to 08-06- 2020.
17. A One Week Online Faculty Development Program on "Outcome Based Education and NBA Accreditation

Process – (UG)” by CBIT, Hyderabad during 28-05-2020 to 01-06-2020

18. A One Week Online AICTE Recognized Faculty Development Program on “Computer Integrated Manufacturing & CNC (CIM/CNC)” by NITTTR, Chandigarh during 25.05.2020 to 29.05.2020.
19. A One Week Online Faculty Awareness Program on “Research Methodology” by Rajgad Dnyanpeeth’s Shri Chhatrapati Shivajiraje College of Engineering, Pune, during 20-05-2020 to 25- 05-2020.
20. A one Week STTP on “MATLAB based Teaching -Learning in Mathematics, Science& Engineering” by Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with DesignTtech Systems Pvt. Ltd during 18-05-2020 to 22-05-2020
21. 3 days of video lectures and hands on work on Effective and Efficient Online Teaching in the Age of Corona, A hands on Workshop” by IIT Bombay, on 16- 05- 2020.
22. A One Week Online Faculty Development Program on “Outcome Based Education: A step Towards Excellence” by Government College of Engineering, Karad, during 11-05-2020 to 15-05-2020.
23. A One Week Online “NAAC Awareness Program for Faculty” by Marathwada Mitramanda’s Institute of Technology (MMIT), Lohgaon, Pune during 08-05-2020 to 14-05-2020.
24. A One Week Faculty Development Program on “Transforming into better performers” by ITC, CBIT, Hyderabad during 27-11-2017 to 01-12-2017.
25. A One Week Faculty Development Program on “Meeting the Challenges of Teacher in Modern Engineering Education ” by ITC, CBIT, Hyderabad during 12-06 -2017 to 17- 06 - 2017
26. A One Week Faculty Development Program on “Finite Element Applications in Mechanical and Civil Engineering (FEAMCE-2017)” by CBIT, Hyderabad during 23-01-2017 to 28-01-2017.
27. A One Week Faculty Development Program on “Latest Advancements in Mechanical Engineering (LAME-2020)”, by Centre for Materials and Manufacturing, and CMRCET, Hyderabad during 13- 07-2020 to 17-07-2020.
28. A One Week Faculty Development Program on “Recent Advances in Renewable Energy & Energy Efficiency Technologies” by MGIT, Gandipet, Hyderabad, during 21-07-2020 to 25-07-2020.
29. A One Week Faculty Development Program on "Molecular Manufacturing" by AICTE(ATAL) academy, during 19-10-2020 to 23-10-2020.
30. A AICTE sponsored Two-week FDP on “Research methodologies and statistical data analysis” Phase-1 by AICTE And CBIT during 16- 11-2020 to 28 -11-2020.
31. AICTE sponsored Two-week FDP on “Frontier of 3D Printing Technology and Its Industrial Applications Phase- 1 by AICTE And Lakireddy Bali Reddy College of Engineering during 07-12-2020 to 19-12-2020
32. A AICTE sponsored Two-week FDP on “Research methodologies and statistical data analysis” Phase-2 by AICTE And CBIT during 14- 12-2020 to 26 -12-2020.
33. A One Week Faculty Development Program on " Recent Trends in Robotics (RTR-2021) and Team-based Online Project (TOP)" by Vasavi college of Engineering, during 06-12-2021 to 10-12-2021.
34. A One Week Faculty Development Program on " Nanotechnology Applications in Mechanical Engineering" by Muffakham Jah college of Engineering and Technology, during 10-12-2021 to 16-12-2021.
35. A One Week Faculty Development Program on "3D Printing & Design" by AICTE (ATAL) academy and NIT Warangal, during 14-12-2021 to 18-12-2021.



36.A One Week Online AICTE Recognized Faculty Development Program on "Smart Materials Processing and Applications" by NITTTR, Chandigarh during 25.07.2022 to 29.07.2022.

Details of Journal Publications/  
Conferences (National and  
International)

**International Journal from the year 2017**

1. Dr. Md. Aleem Pasha, T.N.Aditya, A.Chandrakanth, Dr. Manowar Hussain, "Evaluation of Optimum Input Process Parameters and Theoretical Optimum Response Parameters of FDM", Alochana chakra Journal, ISSN No. 2231-3990, Vol. 9, Issue 5, May 2020, pp. 6234-6240
2. T.N.Aditya, Dr. Md. Aleem Pasha, A.Chandrakanth, Dr. Manowar Hussain, "Evaluation of Tensile strength of Friction Stir Processed Al6063 with SiC reinforcement", Alochana Chakra Journal, ISSN No. 2231-3990, Vol. 9, Issue 5, May 2020, pp. 7324- 7332.
3. A.Chandrakanth, T.N.Aditya, Dr. Md. Aleem Pasha, "A Study on effect of Process Parameters on Abrasive Water et Machining", Alochana Chakra Journal, ISSN No. 2231-3990, Vol. 9, Issue 5, May 2020, pp. 8499-8504.
4. Dr. Md. Aleem Pasha, R. Siva Rama Krishna, "Optimization of Process Parameters of Friction Stir Processing on Aluminium Alloy 7075", International Journal of research in Advent Technology, ISSN No. 2321-9637, special issue, March 2019, pp. 192-198.
5. Md. Aleem Pasha, P. Ravinder Reddy, "Numerical Analysis of Sic Reinforced And Unreinforced Friction Stir Welding of AA6061", International Journal of mechanical production Engineering (IJMPE), Vol.6, Issue-1, pp. 62-65, January 2018, UGC Approved No. 62477 ISSN (p): 2320-2092, ISSN(e): 2321-2071, Impact Factor 4.022
6. Dr. Md. Aleem Pasha, Dr. P. Ravinder Reddy, Dr. P. Laxminarayana, "Finite Element Analysis of SiC Reinforced and Unreinforced Friction Stir Welding of Mg Alloy AZ31B", International Journal of Engineering Technology Science & Research (IJETS), Vol. 5, Issue 3, pp.1290-1297, March 2018, UGC Approved No. 44431, ISSN 2394 – 3386, Impact Factor 2.120.
7. Md. Aleem Pasha, Dr. P. Ravinder Reddy, Dr. P. Laxminarayana, Dr. Ishtiaq Ahmad Khan, "The effects of SiC particle addition as reinforcement in the weld zone during friction stir welding of magnesium alloy AZ31B", IRA-International Journal of Technology and Engineering, Vol.3, Issue 3, ISSN No. 2455-4480, une 2016, pp. 154-163.
8. Dr. Md. Aleem Pasha "Optimization Of Process Parameters Of Submerged Arc Welding Using Taguchi" GIS SCIENCE JOURNAL Volume 8, Issue 5, May-2021, ISSN 1869-9391, DOI:20.18001.GSJ. 2021.V8I5.21.37168, PP 68-69
9. Dr. Md. Aleem Pasha T.N. Aditya, A. Chandrakanth K. Gurubrahmam "Friction Stir Welded Joint Efficiency of Aluminium Alloy 6061-T6" Journal of Xian University of Architecture & Technology Volume XIII, Issue 6, June- 2021, ISSN No : 1006-7930 ,DOI:20.19001.JXAT, PP 70-71
10. T.N. Aditya, Dr. Md. Aleem Pasha, K. Gurubrahmam, A. Chandrakanth "Development of 3D printed model using medical CT scan data with optimum build time" Journal of Xi'an University of Architecture & Technology, ISSN No : 1006-7930 DOI:20.19001.JXAT, PP 72-73
11. K. Gurubrahmam, A. Chandrakanth, T.N. Aditya, Dr. Md. Aleem Pasha, "Investigating Various Modal Analysis Extraction Techniques to Estimate Damping Ratio" Journal of Xian University of Architecture & Technology, Volume XIII, Issue 6, June- 2021, ISSN No : 1006-7930 DOI:20.19001.JXAT, PP 74-75
12. A. Chandrakanth, K. Gurubrahmam, Dr. Md. Aleem Pasha, T.N. Aditya "Experimental Investigation on, Influence of Process Parameters, for Machining AISI 310 on EDM", Journal of an University of, Architecture Technology, Volume XIII, Issue 6, June-, 2021, ISSN No : 1006-7930, DOI:20.19001.JXAT, PP 76-77
13. Dr. Md. Aleem Pasha, Fabrication of Surface Metal Matrix composite of AA7075 using Friction Stir Processing, International Journal of Scientific Research in Science and Technology, May-June-2022, 9 (3) : 551-555
14. Dr. Md. Aleem Pasha, A. Chandrakanth, K. Gurubrahmam, T. N. Aditya, International Research Journal of Engineering and Technology (IRJET), Volume: 09 Issue: 06 | Jun 2022, PP. 3024-3028
15. A. Chandrakanth, Dr. Md. Aleem pasha, T.N. Aditya, K. Gurubrahmam, International Research Journal of Engineering and Technology (IRJET), Volume: 09 Issue: 06 | Jun 2022, PP. 3269-3273.
16. K.Gurubrahmam, T.N.Aditya, Dr. M.D. Aleem Pasha, A. Chandrakanth, Effect Of Frequency On Cantilever Beam with Different Locations of Smart Patch, International Research Journal of Engineering and Technology (IRJET), Volume: 09 Issue: 06 | Jun 2022, PP. 2920-2925.
17. Aditya T.N., K.Gurubrahmam, A. Chandrakanth ,Dr. M.D. Aleem Pasha, Design of Novel Planetary Transmission System Integrated with Differential for Automatic Transmission in Automobiles, International Research Journal of Engineering and Technology (IRJET), Volume: 09 Issue: 06 | Jun 2022, PP. 2746-2757.

### International /National Conferences from the year 2017

1. Dr. Md. Aleem Pasha, Dr. P. Ravinder Reddy (2019), "Optimization of Process Parameters for Fused Deposition Modelling (FDM) Process" International Conference on Advances in Minerals, Metals, Mterials, Manufacturing and Modelling (ICAM5), Organized by NIT Warangal, on 25th to 27th September 2019.
2. Dr. Md. Aleem Pasha, R.Siva Rama Krishna (2019) "Optimization of Process Parameters of Friction Stir Processing on Aluminium Alloy 7075", National Conference on Recent trends and Innovations in Mechanical Engineering (RTIME-2K19), Organized by Nalla Narsimha Reddy Educational Societies Group of Institutions, 15th -16th March 2019
3. Dr. Md. Aleem Pasha, Dr. P. Ravinder Reddy, Dr. P. Laxminarayana, Dr. Ishtiaq Ahmad Khan (2018), "Finite Element Analysis of SiC Reinforced and Unreinforced Friction Stir Welding of Mg Alloy AZ31B", " International Conference on Innovative Trends in Engineering, Applied Science and Management (ICITEASM-2018), 25th March, 2018, ISBN 978-93-87433-18-2, Organized by Osmania University.

