

Curriculum Vitae

Personal Data:

Name	Surname	Date of Birth	Nationalit	Sex	Marital Status
Dr.Saadat Ali	Rizvi	07/09/1976	Indian	Male	Married

Telephone/Mobile No	Passport	E-mail	DOI	DOE
+91-07531026305/ 0931-9946-525	P0391480	<u>saritbhu@gmail.com/</u> <u>sarizvi1@jmi.ac.in</u>	28/6/2016	27/6/2026

Present & Permanent address

Present/Permanent
156/1-Near Sector-10 Gate, Zaidi Nagar Society, Meerut (UP), INDIA

Educational Background: (Last One First)

Certificate Degree	Field of Specialization	Name of Institution Attended	Received Date	Division
Ph.D.	Welding	I.I.T (BHU), Varanasi, (UP)	2018	9/10 SGPA
M.E	Mechanical Engineering (Production Engineering)	University of Delhi, India (Delhi College of Engineering)	2007	I st
B.E.	Mechanical Engineering	Institution of Mechanical Engineers(India),India	2004	Pass in Sec-A & Sec-B
Engineering Diploma	Production Engineering	D.N Polytechnic, Meerut(UP) (UPTBE,Lucknow)	1996	I st

Title of Post-Graduate Thesis: Mathematical Modeling of surface roughness in turning of EN 8 with Carbide Tool.

Title of Ph.D. Thesis: Effect of GMA welding parameters on mechanical properties and microstructure of IS 2062 and AISI 304 steels.

Academic Positions: (Last One First)

Title of Position	Department	Date		Name of Institution
		From	To	
<i>Workshop Superintendent (Assistant Professor Grade) (Faculty member)</i>	<i>FOE&T University Polytechnic</i>	<i>26/07/2013</i>	<i>Till Date</i>	<i>Jamia Millia Islamia (A Central University),New Delhi</i>
<i>Assistant Professor</i>	<i>Mechanical Engineering</i>	<i>01/02/2010</i>	<i>25/07/13</i>	<i>Translam Institute of Technology & Management, Meerut(UP),INDIA (AKTU, Affiliated)</i>
<i>Sr. Lecturer</i>	<i>Mechanical Engineering</i>	<i>21/08/2009</i>	<i>14/01/10</i>	<i>Meerut Institute of Technology ,Meerut(UP,) INDIA (AKTU, Affiliated)</i>

Lecturer	Mechanical Engineering	20/08/2008	18/07/09	Radha Govind Engineering College Meerut(UP),(AKTU, Affiliated)
Lecturer	Mechanical Engineering	25/07/2007	20/08/08	S.C.R.I.E.T(CCS University, Meerut)
	Mechanical Engineering	17/10/01	28/07/07	Krishna Institute of Engg & Tech, Muradnagar (GZB) (AKTU, Affiliated)

Master Thesis Supervision:

S. No	Full Name of Student	Level	Title of Thesis	Status	Institute	Year
1	Sunil Kr.Sharma	M.Tech	Effect of various parameters on turning of AISI 8620 on Turning operation	Co-guide	MITS, Gwalior	2014

Publications: A: Books

Title	Type of Work	Publisher's Address	Date of Publication
	Written		
(1) Advance Welding Technology	✓	Katariya Publication, New Delhi, INDIA	2008
(2) Manufacturing Science-II nd	✓	Katariya Publication, New Delhi, INDIA	2011
(3) Manufacturing Science-I st	✓	Katariya Publication, New Delhi, INDIA	2012
(4) Welding Technology	14 Lessons	National Institute of open school, Noida	Under Publication

B: Papers

Title of Paper	Place of Publication	Date of Publication
Saadat Ali Rizvi, Wajahat Ali "Mathematical Modeling of surface roughness in turning of EN8 with carbide tool"	CPIE-2010 (Dr.BRANIT,Jalandhar) (India) (In International Conference)	03-05DEC-2010
Jyoti Prakash, SP Tewari, BK Srivastava, Saadat Ali Rizvi, "Needs and future of Today's welding industry-An overview"	ICAM-2012 (IIT-BHU) (In International Conference)	16-19 DEC-2012
Saadat Ali Rizvi, SP Tewari, Wajahat Ali "Weldability of Steels and its alloys under different conditions-A Review"	"International Journal of Science, Engineering and Technology Research" (IJSETR)	10-03-2013
SK Sharma, Saadat Ali Rizvi, RP Kori " Optimization of Process Parameters in Turning of AISI 8620 Steel Using Taguchi and Grey Taguchi Analysis "	International Journal of Engineering Research and Application" (IJERA)	March 2014
SK Sharma, Saadat Ali Rizvi, RP Kori "Optimization of Machining Parameters of AISI 8620 Steel with Taguchi and Grey Taguchi Analysis"	NCM&C-2014 (AKGEC, Ghaziabad) (In National Conference)	4-5 March 2014
Saadat Ali Rizvi, SP Tewari, Wajahat Ali "Some Study of Friction Stir Welding-A Review"	"International Journal of Research" (IJSETR)	Feb- 2015

<i>Saadat Ali Rizvi, Wajahat Ali “Optimization of machining parameters in dry turning of IS 2062 with Taguchi Technique</i>	<i>“International Journal of Innovative Research in Science, Engineering and Technology” (IJIRSET)</i>	<i>16 Aug-2015</i>
<i>Rajnish Singh, Saadat Ali Rizvi, and S.P Tewari “Design and Fabrication of Friction Stir Welding Fixture with a New Approach”</i>	<i>“Elixir International Journal” 86 (2015) 34844-34846</i>	<i>01 Sep-2015</i>
<i>Saadat Ali Rizvi, SP Tewari, Wajahat Ali “Effect of Shielding Gases on Weld Quality in GTA & GMA Welding—A Review”</i>	<i>“Elixir International Journal” 88 (2015) 36692-36698</i>	<i>01 Dec-2015</i>
<i>Saadat Ali Rizvi, Wajahat Ali, Mumtaz Ahmad, “Some Study of Machinability by Turning Process-A Review”</i>	<i>International Journal of Interdisciplinary Research Centre (IJIRC), Vol. II, Issue 6,(2016),1-20</i>	<i>6 June -2016</i>
<i>Saadat Ali Rizvi, Wajahat Al, “A Review on Machinability of different material by Turning Process”</i>	<i>Journal of Mechanical and machines, Vol-2, Issue-3 (2016) 28-58</i>	<i>31Oct -2016</i>
<i>Saadat Ali Rizvi, Wajahat Ali, “Optimization of machining parameters affecting surface roughness of EN8 Steel in CNC Turning by Using the Taguchi Technique”</i>	<i>Journal of Mechanical and machines, Vol-2, Issue-3 (2016)59-71</i>	<i>06 Dec- 2016</i>
<i>Saadat Ali Rizvi, SP Tewari, Wajahat Ali “Application of Taguchi Technique to optimize the process parameters of MIG wedging on IS2062 steel”</i>	<i>International Journal on Emerging Trends in Mechanical & Production Engineering, Vol. 2, Issue 2 (2016) 1-11</i>	<i>17 Dec- 2016</i>
<i>Rajnish Singh, Saadat Ali Rizvi, and S.P Tewari “Effect of Friction Stir Welding on the Tensile Properties of AA6063 under Different Conditions”</i>	<i>International Journal of Engineering (SCOPUS Indexed Journal), Vol. 30, No. 4 (2017) 597-603</i>	<i>April 2017</i>
<i>Saadat Ali Rizvi, SP Tewari “Effect of different Welding Parameters on the mechanical and microstructural properties of SS 304H welded joints”</i>	<i>International Journal of Engineering (SCOPUS Indexed Journal), Vol. 30, No. 10 (2017) 1510-1516</i>	<i>3rd Oct-2017</i>
<i>Saadat Ali Rizvi, Wajahat Ali, “ Determination the Effect of machining Parameters on roughness in Turning operation of DIN 17210 Steel using Taguchi technique”</i>	<i>Journal of Production Engineering JPE (2017) Vol.20 (2),7-12</i>	<i>Dec-2017</i>
<i>Saadat Ali Rizvi, SP Tewari “Multi-objective optimization by application of Taguchi based Grey relational analysis for GMA welding of IS2062 structural steel”</i>	<i>Mechanics and Mechanical Engineering (SCOPUS Indexed Journal) Vol. 21, No. 3 (2017) 717–729</i>	<i>21th Nov-2017</i>
<i>Abhishek Mishra, Rajnish Singh, Saadat Ali Rizvi, “Fabrication and Vibration Analysis on Friction Stir Welding Fixture for Mass Production”</i>	<i>Mechanics and Mechanical Engineering (SCOPUS Indexed Journal) Vol. 21, No. 3 (2017) 531–540</i>	<i>21th Nov-2017</i>
<i>Saadat Ali Rizvi, SP Tewari, “Optimization of GMA welding parameters of SS304 Austenitic Steel by Taguchi –Grey relational analysis”</i>	<i>Journal of Computational and applied research in Mechanical Engineering, (SCOPUS Indexed Journal) Vol. 7, Issue 2 (2018) 191-200</i>	<i>13 Mar-2018</i>

Saadat Ali Rizvi, SP Tewari, “Effect of the Shielding Gas Flow Rate on Mechanical Properties and Microstructure of Structural Steel (IS2062) Welds”	Mechanics and Mechanical Engineering (SCOPUS Indexed Journal) Vol. 4, No. 4 (2017) 971–984	16March-2018
Saadat Ali Rizvi, Mumtaz Ahmad, “Effect of heat input on the microstructure and mechanical properties of a Welded joint -A Review”	International Journal of Applied Engineering Research (IJAER) Vol. 13, No. 06, 2018,183-188 Special Issues	Oct-2018
Saadat Ali Rizvi, “Optimization of welding parameters and microstructure and fracture mode characterization of GMA welding by using Taguchi method on SS304H austenitic steel”	Int. Rev. Appl. Sci. Eng. (SCOPUS Indexed Journal) Vol. 9 ,No.1,2018, 9-16	June -2018
Saadat Ali Rizvi, SP Tewari,“ Optimization of welding parameters by using Taguchi method and study of fracture mode characterization of SS304H welded by GMA welding”	JJMIE (SCOPUS Indexed Journal) Vol. 12 ,No.1,2018,17-22	06th Aug-2018
SP Tewari, Saadat Ali Rizvi, “Experimental Investigation of the Effect of shielding gas in GMA welding of AISI 304H Austenitic Stainless Steel”	322nd International Conference on Science, Engineering & Technology - ICSET 2018 16th - 17th December 2018 in New York , USA	Dec-2018
Abhishek Mishra, Rajnish Singh, Saadat Ali Rizvi, "Effect of Process Parameter for Heat generation in Friction Stir Welding”	Ro. J. Technical Science- Appl. Mechanics, Vol. 64, No.1,2019 3–10, Bucharest	Mar-2019
Saadat Ali Rizvi, Wajahat Ali, “Integration of grey-based Taguchi technique in optimization of parameters process during the turning operation of 16MnCr5 steel”	International Journal of Industrial Engineering & Production Research, (SCOPUS indexed journal) Vol. 30,No.30,2019,245-254	16th Sep-2019
Saadat Ali Rizvi, “Grey based Taguchi technique for optimization of MIG welding process parameters of AISI 304 Austenitic stainless steel”	Journal of the Chinese Society of Mechanical Engineers Vol. 40,No.6,2020,733-740 (SCI-E Indexed Journal)	1st Dec-2019
Saadat Ali Rizvi, Wajahat Ali, “Welding defects-A review”	Indian Welding Journal (A UGC Approved Journal) Vol. 53,No.1,2020,42-47	26th Jan-2020
Saadat Ali Rizvi “Effect of welding process parameters on toughness and Microstructure characterization of IS 2062 Grade A structural steel weldment”	Indian Welding Journal (A UGC Approved Journal) Vol. 53,No.1,2020,74-79	26th Jan-2020
Saadat Ali Rizvi, Wajahat Ali, “Multi-attribute decision making parametric optimization in weld bead by gas metal arc welding through grey relation analysis: A case study	International Journal of Engineering, Science and Technology Vol. 12, No. 2, 2020, 59-66	2nd June-2020
Saadat Ali Rizvi “Effect of Heat Input on Microstructural and Mechanical Properties of AISI 304 Welded Joint Via MIG Welding”	International Journal of Engineering (IJE) (SCOPUS indexed journal) Vol. 33, No.9(2020) 1811-1816	1st Sep-2020
Saadat Ali Rizvi, Rajnish Singh, Saurabh Kumar Gupta" The impact of heat input on the mechanical properties and microstructure of High Strength Low Alloy steel welded joint by GMA welding process”	Engineering Solid Mechanics (SCOPUS indexed journal) Vol. 9, No.3, 2021,1811-1816	1st Jan-2021

Saadat Ali Rizvi, Wajahat Ali, “Development of mathematical model and optimization of GMA welding parameters of IS 2062 grade A steel weldments”	Frattura ed Integrità Strutturale (SCOPUS indexed journal) 56 (2021) 84-93	01st Apr-2021
Rajnish Singh, Saadat Ali Rizvi, Kuldeep K Saxena , S. S. Godara “Microstructure characterisation and mechanical behaviour of AA 6063 T-6 welded joint by friction stir welding”	Advances in Materials and Processing Technologies (Taylor & Francis) (2021) 1-11	15th June-2021
Saadat Ali Rizvi “ RSM approach for modelling and optimization of weld bead characteristics during the welding of IS 2062 grade A steel”	Academic Journal of Manufacturing Engineering (SCOPUS indexed journal) Vol.19, No.2,2021,77-84	5th July-2021
Saadat Ali Rizvi, Wajahat Ali , “An artificial neural network approach to prediction of surface roughness and material removal rate in CNC turning of C40 steel”	International Journal of Industrial Engineering & Production Research, (SCOPUS indexed journal) Vol. 32, No.3, 2021, 1-10	16th Aug-2021
Saadat Ali Rizvi, Wajahat Ali, “Mathematical Modelling and optimization of surface roughness and material removal rate in CNC Turning of AISI 1040 steel”	Academic Journal of Manufacturing Engineering (SCOPUS indexed journal) Vol.19, No.3,2021,50-57	1st Oct-2021
Saadat Ali Rizvi, Wajahat Ali, “ Analysis of surface roughness and material removal rate in machining of AISI 1040 steel using CNC turning process ”	International journal of innovation in Engineering, Vol 1, No 3, 8-19	1th Oct-2021
Ritesh Jaiswal,Rajnish Singh, Saadat Ali Rizvi, “Prediction of 3-dimensional heat treatment model during the friction stir spot welding of AA 6061 ”	Journal of Engineering Research (JER) (SCIE indexed journal) 1-16	15th Nov-2021
Saurabh Kumar gupta,Rajnish Singh, Saadat Ali Rizvi, “Effect of input variable of GMAW on microstructure and mechanical properties of High Strength Low Alloy”	Indian Journal of Engineering & Materials Sciences Vol. 29, April 2022, (SCI indexed journal) 228-236	24th May-2022

Reviewer of Journals

S.No	Name of Journal	Indexed	Country	Remark
1	<i>Journal of Computational & Applied Research in Mechanical Engineering (JCARME)</i>	SCOPUS	Iran	
2	<i>Engineering Journal (EJ)</i>	SCOPUS	Thailand	
3	<i>JMST</i>	SCI	Korea	
4	<i>Tikrit Journal of Engineering Sciences (TJES)</i>		Iraq	
5	<i>Materials Today: Proceedings</i>	SCOPUS		
6	<i>Journal of Advances in Science and Engineering</i>	crossref	Nigeria	Editor

Lecture delivered

S.No	Venue	Date	Topic	Department
1	SCRINET(CCS University), Meerut (UP)	25/03/2017	An Introduction of Welding Processes	Mechanical Engg Dept.
2	IE(I) LC, Meerut, (UP)	30/07/2017	Modern Welding Technique	Local centre of IE

3	<i>D.N Polytechnic, Meerut</i>	<i>17/11/2017</i>	<i>Welding process an Introduction</i>	<i>Mechanical Engg.</i>
4	<i>IE(I) LC, Thiruvananthapuram, Kerala</i>	<i>29/11/2017</i>	<i>Brief Introduction of Welding</i>	<i>Local centre of IE</i>
5	<i>IE(I) LC, Meerut, (UP)</i>	<i>15/07/2018</i>	<i>Seven Quality Control Tools</i>	<i>Local centre of IE</i>
6	<i>ABES Engineering College, Ghaziabad,(UP)</i>	<i>24/10/2018</i>	<i>An Introduction of Friction Stir Welding Processes</i>	<i>Mechanical Engg Dept.</i>
7	<i>IE(I) LC, Meerut, (UP)</i>	<i>30/06/2019</i>	<i>Supply Chain Management</i>	<i>Local centre of IE</i>
8	<i>Teerthanker Mahaveer University,MBD,(UP) Mechanical Engg Dept.</i>	<i>07/11/2020</i>	<i>Introduction of Welding Technology</i>	<i>University Polytechnic</i>

Diploma Engineering Project guided

S.No	Project Title	Year of completing
1	<i>Some Study of Friction Stir Welding (FSW)</i>	<i>2015</i>
2	<i>Design & fabrication of Weld bend apparatus</i>	<i>2017</i>
3	<i>Design & fabrication of Weld fatigue testing machine (Part-Time Students)</i>	<i>2017</i>
4	<i>Design & fabrication of a portable Spot Welding machine</i>	<i>2018</i>
5	<i>Design & fabrication of a single-phase welding machine</i>	<i>2020</i>
6	<i>Redesign & fabrication of a spot welding machine</i>	<i>2022</i>

National and International Work Shop/Conference Attended:

S.No	Venue	Date	Topic	Department
1	<i>KIET,GZB (UP)</i>	<i>9 to 10 FEB-2007</i>	<i>Advances in Arc welding Process</i>	<i>Mechanical Engg Dept.</i>
2	<i>KIET,GZB (UP)</i>	<i>5th NOV-2011</i>	<i>Advances in Materials</i>	<i>Mechanical Engg Dept.</i>
3	<i>BHU,VRS (UP)</i>	<i>25 to 26 FEB-2012</i>	<i>Under Standing Minorities in India & Canada</i>	<i>Canadian Studies Development Programme</i>
4	<i>BHU,VRS (UP)</i>	<i>24th JAN-2013</i>	<i>How to write for & get Published in Scientific Journals & Public Manuscripts</i>	<i>Central Library, BHU (Conducted by Springer)</i>
5	<i>BHU,VRS (UP)</i>	<i>16th to 18th FEB-2014</i>	<i>National Symposium on Miniature Manufacturing in 21st Century</i>	<i>Mechanical Engg Dept.</i>
6	<i>KIET,GZB (UP)</i>	<i>25th to 26th FEB-2014</i>	<i>Tools and Technique used for thermal cooling</i>	<i>Mechanical Engg Dept.</i>
7	<i>KIET,GZB (UP)</i>	<i>20th -21th July-2018</i>	<i>International Conference on Recent Trends and Innovations in Mechanical Engineering (ICRTIME 2018)</i>	<i>Mechanical Engg Dept.</i>
8	<i>IIT(BHU),Varan asi, (UP)</i>	<i>17th-21th June - 2019</i>	<i>Short term course on “ Material Characterization for Engineers</i>	<i>School of Material Science & Technology</i>

9	Conference Hall, JNU, New Delhi	9 th Aug -2019	Emerging trends in welding Technology and welding education	School of Engineering
10	DTU, New Delhi	22 th -23 rd Aug -2019	Recent trends in welding Technology	Mechanical Engg Dept.

Research Interests: Welding ,Manufacturing process & Science, Material Science, Machinability, Casting,TQM,Optimization etc.

Faculty Development Programme Attended:

S.No	Venue	Date	Topic	Department
1	ABES,GZB (UP)	2 nd - 6 th July-2018	Reconfigurable manufacturing system: Research Potential	Mechanical Engg Dept.
2	JSS Academy of Technical Education, Noida	8 th - 20 th July-2019	Mechanical Design Techniques for Academic and Industrial Environment	Mechanical Engg Dept.
3	Indian Institute of Technology, Delhi	9 th -13 th Dec-2019	Joining of Advanced Materials	Mechanical Engg Dept.
4	National Institute of Technology Silchar, Assam	04 th -08 th , Aug- 2020 (Webinar)	Interdisciplinary Approach of Tribology in Engineering and Biomedical Research (IATEBR)	Mechanical Engg Dept.
5	SRM Institute of Science and Technology, Chennai	24 th -28 th Aug-2020 (Webinar)	TRIBOLOGY & SUSTAINABILITY (International Short Term Course)	Mechanical Engg Dept.
6	National Institute of Technology Silchar, Assam	07 th -11 th , Sep- 2020 (Webinar)	Innovation and Research in Welding, Joining and Cutting Technology	Mechanical Engg Dept.
7	Veer Surendra Sai University of Technology, Burla, Odisha	12 th -16 th Sep- 2020 (Webinar)	Recent Advancement in Welding and Joining Technology (RAWJT-2020)	Mechanical Engg Dept.
8	Indian Institute of Technology, Indore	7 th -12 rd Dec-2020 (Webinar)	“Finite element analysis for Engineers”	Mechanical Engg Dept.
9	Indian Institute of Technology, Indore	21 th -23 rd Dec-2020 (Webinar)	Condition Monitoring of Rotating Machines using Advanced Signal Processing Techniques	Mechanical Engg Dept.
10	IIT(BHU), Varanasi, (UP)	01 th -13 th Feb -2021	Short term course on “ Method of Analysis of smart structure (MASSNM)	Mechanical Engg Dept.
11	Jamia Millia Islamia, Delhi	16 th - 30 th June-2021	Robotics & Automation	Mechanical Engg Dept.

12	<i>Jamia Millia Islamia, Delhi</i>	<i>21th-25th Feb -2022</i>	<i>Issues and Challenges of Grid Connected Renewable Energy Sources (ICGCRE-22)</i>	<i>Electrical Engg Dept.</i>
13	<i>Amity University, Noida (UP)</i>	<i>20th -24th June-2022 (Webinar)</i>	<i>Recent developments in Renewable Energy</i>	<i>Mechanical Engg Dept.</i>

Membership in Scientific Associations:

Name of Institution/Association	Position Held	Country	Year
<i>India Institute of Welding, Kolkatta</i>	<i>Lifetime Member (DEL/M/R-9883/L)</i>	<i>India</i>	<i>2007</i>
<i>Institution of Engineers(India), Kolkata</i>	<i>Member , A-1566878</i>	<i>India</i>	<i>2012</i>
<i>India Society for Technical Education (ISTE), New Deli</i>	<i>LM 94068</i>	<i>India</i>	<i>2013</i>

Industrial Experience:

Title of Position	Department	Date		Name of Organization
		From	To	
<i>Quality Control Engineer</i>	<i>Quality Control</i>	<i>17/07/1996</i>	<i>16/09/01</i>	<i>M/S Indotech Engineers (P) Ltd. Mohkampur, Meerut (UP), INDIA (Manufacturing of ISI and CCE Approved LPG Gas Cylinder Under IS:3196 (Part-1 & part-2)</i>

Responsibility:

- i) Dealing with the BIS (Bureau of Indian Standard) officers.*
- ii) To maintain the quality of products at various stages.*
- iii) Preparation of weekly and monthly quality plans.*
- iv) Dealing with the Chief controller of explosive authority.*
- v) Training of QC inspectors from time to time.*
- vi) Testing of LPG cylinder at UTM Machine.*

(Dr. Saadat Ali Rizvi)