

Curriculum vitae

Dr. Ranjeet Singh Rathore

Assistant Professor

Department of Mechanical Engineering

Govt. Engineering College Bikaner

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Education Qualification

S. No	Degree	
1.	Ph.D.	IIT Roorkee
2.	ME (Manufacturing Technology)	NITTTR, Chandigarh
3.	BE (Mechanical)	CTAE, Udaipur

Administrative Responsibilities Entrusted:

S.No	Responsibilities	Authority Department/College	Duration
1.	Chief Proctor	Govt. Engg College Bikaner	23.11.2020 to Till date
2.	BOS coordinator (Mech., Aeronautical, mechatronics)	BTU, Bikaner	10.08.21 to till date
3.	Project Director (CERDC)	Govt. Engg College Bikaner	30.12.2020 to 22.06.2021
4.	Head, Civil Engg.	Govt. Engg College Bikaner	13.03.2015 – 17.04.17
5.	Head, Centre for Skill Development	Govt. Engg College Bikaner	07.07.2015 to 06.07.17
6.	Nodal officer, RUSA	Govt. Engg College Bikaner	09.06.2015 to 06.07.17
7.	Head Transportation	Govt. Engg College Bikaner	10.03.2014 to 23.12.14
8.	Head Store	Ceramic Centre	21.03.2012 to May 2017
9.	Head, Central Store	Govt. Engg College Bikaner	14.01.2012 to 12.06.12
10.	Lab Incharge (Basic Mechanical Engineering Lab)	Department Head	18.10.2021 to till date
11.	Member secretary admission cell	Govt. Engg College Bikaner	27.08.2021
12.	Office Incharge, Mechanical Research & Testing Lab	Mechanical Engg. Deptt, GECB	20.04.2015- 06.07.17
13.	Laboratory Incharge (Mechanical Testing)	CERDC, Bikaner	29.01.2015 – 06.07.17
14.	Technical In-charge	CERDC, Bikaner	15.01.2015- 2017
15.	Hostel Warden (Maheshewari hostel and Ishwar hostel)	Govt. Engg College Bikaner	04.12.2014 to May 2017
16.	Member of Proctorial Board	Engg College Bikaner	21.07.2011 To May 2017
17.	Transportation Coordinator	Engg College Bikaner	07.06.2010 to 12.06.12
18.	T&P Coordinator (Mechanical)	Engg College Bikaner	10.06.2010 to May 2017
19.	Examination Incharge	Mechanical Department (ECB)	15.10.2009 to 29.05.11
20.	Foundry Incharge	Mechanical Department (ECB)	2007 to May 2017
21.	Trade Incharge	Refrigeration & Air Conditioning ECB ITC, Bikaner	15.11.2008 to May 2017
22.	Thermal Lab Incharge	Mechanical Department (ECB)	2005 to May 2017

1. Membership of professional Societies:

a) **Membership** : Institute of Engineers (India), AM095021-4

b) **Reviewer/Editorial board member:**

(1) Journal **IJIRSE** (*International Journal of Innovative Research in Science & Engineering*) <http://ijirse.in/editorial-board.html>, Nov,2013

(2) Act as peer reviewer for the Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical (JPME) and reviewed a manuscript for the journal in 2018.

2. Paper publication:

a) *Journals*

S.No	Name of Journal	Title of Paper	Author(s) Name	National/ International
1.	International Journal of Advanced Manufacturing Technology (2020)	Experimental investigations and its dimensional analysis based modeling of the UAECDM process (DOI: 10.1007/s00170-020-06320-8)	Ranjeet Singh Rathore Dr. Akshay Dvivedi	Springer
2.	Materials and Manufacturing process (T&F) (2020)	Sonication of tool electrode for utilizing high discharge energy during ECDM. Mater Manuf Process 2020;35:415–29. doi:10.1080/10426914.2020.1718699.	Ranjeet Singh Rathore Dr. Akshay Dvivedi	Taylor & Francis
3.	Measurement (2019)	Experimental investigations, empirical modeling and multi objective optimization of performance characteristics for ECDD with pressurized feeding method (2019) doi: https://doi.org/10.1016/j.measurement.2019.107017	R.S. Rathore, T. Singh, A. Dvivedi	Elsevier
4.	Engineering Today	Performance Evaluation of CI Engine using Jatropa-Diesel Blend, Vol XII, ISSN 0974-8377,Nov, 2010	RS Rathore, YB Mathur, G Vyas, A Samad	National
5.	International Journal of wind and renewable energy	Performance and emission characteristic of diesel engine using low concentration thumba oil diesel blends,VOLUME1 ISSUE2 (PAGE108-113),ISSN:2277-3975	RS RATHORE Mp Poonia Y B MATHUR U. PANDEL	International
6.	International Journal of Energy Engineering	Optimization of Compression Ratio of Diesel Fuelled Variable Compression Ratio Engine IJEE Volume 2, Issue 3 Aug. 2012 PP. 99-101 www.ij-ee.org © World Academic Publishing, ISSN 2225-6563 (print) ISSN 2225-6571 (online)	RS RATHORE MP Poonia Y B MATHUR AS Jethoo	International

b) Conference

S.No	Name of Conference	Title of Paper	Author(s) Name	National/ International
1	International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME-19) 5-7, December 2019), IIT Ropar	Effect of tool immersion depth on discharge energy during ECDM of borosilicate glass	Ranjeet Singh Rathore Dr. Akshay Dvivedi	International
2	International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 2019), 12-14, December 2019, IIT Indore	Effect of peak current on the ECDM process	Ranjeet Singh Rathore Dr. Akshay Dvivedi	International
3	Online International Conference on Sustainable Engineering (ICSE-2021) February 26-27 ,2021, ECB Bikaner	Investigation of Active Surface Area and Peak Current on Discharge Energy During the ECDM Process	Ranjeet Singh Rathore Dr. Akshay Dvivedi	International
4	Advances in Mechanical Engg.,Engg. College Kota	Performance studies of a Diesel Engine using Castor oil,18-19 Mar 2006	Prof. MP Poonia, RS Rathore	National
5	Global Warming, ECB	Global warming,25 Mar 2005	RS Rathore, A Mathur	National
6	Energy & Nano Technology: Strategy for Future, JEC- Jaipur	Energy Scenario in India, 14-15 Feb 2009	RS Rathore, A Mathur, Ganesh Prajapat	National
7	Energy Management, ECB	Performance of Multi Cylinder Diesel Engine using Jatropa, 20-21 Nov 2009	Yash Mathur, RS Rathore	National
8	Energy Management, ECB	Energy Efficient Buildings, 20-21 Nov 2009	RS Rathore,A Mathur, Rajesh Govindan	National
9	Energy Management, ECB	An Overview Renewable Energy Resources in content To World Energy Demand, 20-21 Nov 2009	JP Bhamu, RS Rathore, A Mathur, R Choudhary	National
10	Energy Management, ECB	Energy Conservation & Management in Industrial & Commercial Utility, 20-21 Nov 2009	RS Rathore, R Bhandari	National
11	New Trend in Production Engg.	Multi Criteria Decision Techniques	RS Rathore	National
12	International conference on frontiers at the chemistry- Allied Sceinces Interface April25-26,2016, uni. Of Rajasthan Jaipur	Experimental Evaluation of Diesel engine Performance using bio diesel prepared from waste cooking oil	Ranjeet Singh Rathore Praveen Purohit	International
13	Recent Trends in Sciences, Engineering & Management(NCRTSEM-2016), 21 ST Oct 2016	Application of X-ray Fluoresence as a non destructive method for ceramic material analysis & characterization	Ranjeet Singh Rathore Praveen Purohit	National

Consultancy Work:

S.No	Name of the work & year	Agency	Name of the Person Involved	Consultancy Amt. released in lakhs	Remarks
1	Electrification & modernization of IGNP gates	IGNP	JP Bhamu, OP Jakhar, SS Rathore, R Ojha, RS Rathore, A Mathur	11.5	Completed

Conduct of Conference/ seminar/ short term course.

S.No	Title of course	Course	Duration	Coordinator, Co-Coordinator
1.	“Digital Design and Emerging Trends in Signal Processing”	FDP	2 week	Technical Advisor
2.	“Various Type of materials used in civil engineering & its properties”, 07 th – 12 th November 2016 under TEQIP-II	STC (Students)	One Week	Coordinator
3.	“Concept of Fluid Dynamics & Its Vastness”, 17 th – 22 nd October 2016 under TEQIP-II	STC (Students)	One Week	Coordinator
4.	“Application of Finite Elements Method in Structural Analysis”, 19 th – 23 rd September 2016 under TEQIP-II	STC (Students)	One Week	Coordinator
5.	“Structural Designing & Analysis using STAAD PRO”, 17 th – 21 st October, 2016 under TEQIP-II	STC (Students)	One Week	Coordinator
6.	“Computer Aided Drafting & Designing using Auto CAD”, 3 rd – 7 th October, 2016 under TEQIP-II	STC (Students)	One Week	Coordinator
7.	“Soil Exploration and stabilization”, Sponsored by TEQIP- II, 05 th – 09 th September, 2016	STC (Students)	One Week	Coordinator
8.	“Advances in Fluid & Solid Mechanics”, Sponsored by TEQIP- II, 18-21 Sept, 2015	STC (Students)	4 Days	Coordinator
9.	“Basic AutoCAD”, Sponsored by TEQIP- II, 14-19 Sept, 2015	STC (Students)	One Week	Coordinator
10.	Advances in Mechanical Engineering, spon by TEQIP II, 13 th Nov, 2013-18 th Nov, 2013	STC (Students)	One week	Coordinator
11.	Advances In Materials & Manufacturing	Seminar	1 day	Co-coordinator

12.	National Seminar on Industrial Engineering & Mangt Spon. By DST, CSIR, 12 Mar, 2011	Seminar	1 Day	Organizing Secretary
13.	Maintenance of RAC(3feb-18mar10)	Short Term	45 days	Coordinator
14.	RmOL sponsored training for Diesel Mechanic & Pump set (17.11.07-12.01.08)	Short Term	45 days	Co-Coordinator
15.	RmOL sponsored training on Refrigeration & Air Conditioning	Short Term	45 days	Co-Coordinator

Text Book

S.No	Author Name	Title	Publisher	Vol No (Year)
1	Ranjeet S Rathore, YB Mathur, Priyanka Purohit, V Singh, A Samad	IC Engine & Diesel Power Plant	Neelkanth Publishers (P) Ltd, ISBN-978-81-8444- 433-9	1 (2011)
2	Ranjeet S Rathore, YB Mathur, SS Suthar, A Samad	Noise Vibration & Harshness	Neelkanth Publishers (P) Ltd, ISBN-978-81-8444- 432-2	1 (2011)