



RAJIVE GUPTA		
	DESIGNATION	PROFESSOR
	QUALIFICATION	9450341898
	AREA OF INTEREST	Manufacturing Science, Optimization
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### DETAILED PROFILE

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	Phone no.	9450341898	
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	Website	<a href="https://hbtu.ac.in/mechanical-engineering-2/">https://hbtu.ac.in/mechanical-engineering-2/</a>	
	Google Scholar Address		
<b>AREA OF INTEREST</b>			
Manufacturing Science, Optimization			
<b>PROFESSIONAL EXPERIENCE</b>			
Designation	Organization	From	To
Executive	Maruti Udyog Ltd.	16-08-84	15/5/86
Lecturer	HBTI	16-5-86	14/5/92
Lecturer, Sr. Scale	HBTI	15/5/92	14/5/97
Assistant Professor	HBTI	15/5/97	14/05/05
Professor	HBTI	15/5/05	Till Date
<b>HONOURS, AWARDS AND FELLOWSHIPS</b>			
Name of Award/Honour / Fellowships	Organization	Year	
National Merit Scholar	India	1975-81	
<b>DETAILS OF SUBJECTS TAUGHT</b>			
Names of Subjects at Under Graduate Level	Institution	Names of Subjects taught at Post Graduate Level	Institution
Manufacturing Science - II Strength of Materials Design of Mechanical Component Operation Research Unconventional Machining Project Management	HBTU	Unconventional Machining, Simulation Modeling and Analysis Robotics Quality Assurance	HBTU
<b>EDUCATIONAL QUALIFICATION</b>			
Degree	University / Institution	Subject	Year
B.Tech.	Kanpur University	Mech. Engg.	1981
M.Tech.	IIT Kanpur	Mech. Engg.	1984

Ph.D.	IIT Kanpur	Mech. Engg.	2000
<b>ADMINISTRATIVE EXPERIENCE</b>			
Designation	Organization	From	To
Senior Superintendent Examination	HBTI	2011	2016
Head	HBTI	2007	2009
Head	HBTI	1/3/2011	28/12/2011
Dean, School of Engineering	HBTU	2018	Till Date
Member, RDC	HBTU / AKTU		
<b>FACULTY INTERACTION WITH OUTSIDE WORLD</b>			
Organization	Position / Assignment	Nature of interaction	Year
Review of course material for UP Polytechnic teachers	Reviewer		
Organized lectures under quality improvement programme for a course on manufacturing automation for Polytechnic teachers, by Institute of Research development and Taining, Kanpur (Technical Education Department) U.P.	Expert Lecturer		
Worked as members in expert committiees of UP, Technical University, Lucknow for inspection of various technical instituteions in U.P.	Expert Member		
<b>MEMBERSHIP OF PROFESSIONAL SOCIETIES</b>			
Name of Membership	Organization	Year	
<b>RESEARCH GUIDANCE</b>			
<b>Ph.D. Guidance</b>			
Name of Ph.D. Scholar	Ph.D. Topic	University	Year of Award
Sanjay Shukla	Dynamic Analysis of a Railway Passanger Vehicle.	UPTU	2012
Anita Sethia	Optimal Visualization and Analysis of the protein crstal growth process.	UPTU	2013
<b>On going Ph.D. Guidance</b>			
Name of Ph.D. Scholar	Ph.D. Topic	University	Year of Enrolment
Priyasheel Sinha	Development of Micro & nano Composites and their Thermo-Mechanical Study for armour applications.	AKTU	2015
<b>M.Tech. Guided</b>			
Name of M.Tech. Scholar	M.Tech. Dissertation Topic	University	Year of Award
Alok Giri	A cost comparison for open-cut and trenchless method in city natural gas pipeline network.	HBTU	2019
Rajesh Kumar Srivastava	A Simple Approach for Determination of Optimization Cutting Conditions for Face Milling Operation under Practical Constrain	HBTU	2019
Akhilesh Kumar Verma	Finite Element Analysis and Design Optimization of Disc Brake Rotor	HBTU	2018

Abhishek Sachan	Design And Optimization of Shell and Tube Type Heat Exchangers using Sequential Quadratic Programming Algorithm	AKTU	2017
Jatin Prakash Naik	Study Of Effect of Tool Path Orientation on Pocket Machining Time	UPTU / AKTU	2016
Swasti Sahay	Maximization of Material Removal Rate in Abrasive Water Jet Machining	GBTU	2015
Arpit Tiwari	Determination of Optimum Cutting Conditions for Minimum Production Cost and Minimum Production Time in Surface Grinding	GBTU	2014
Jamgaonkar Uday Surendra	Application of Contact Memory Button Technology for Aggregate Management	GBTU	2014
Ashish Anand Prayagi		GBTU	2014
Akriti Gupta	Optimization of parameters in friction stir welding of aluminium alloy plates.	GBTU	2014
Bhawna Dwivedi	Weight Reduction of Bolster of Casnub Bogie Boxan Wagon	GBTU	2014
Neha Bajpai	Optimization of Wire Diameter Of Secondary Suspension Springs of an Indian Railway Freight Vehicle	GBTU	2012
Ruchi Gupta	Minimization of Ride Index for Indian Railway Boxn Wagon	UPTU	2011
Prashant Kumar Srivastava	Volume Reduction of a Mechanical Component Using Ansys	UPTU	2011
Shyamsunder	Optimization of Cutting Parameters In Turning of Aluminum Rod using Taguchi Method	UPTU	2011
Vijay Kant	Reduction of Spring Back for Stainless Steel Sheet under Various Lubrication Mediums	UPTU	2011
Yogesh Chandra	Optimum Design of Natural Draft Wet Cooling Tower Geometry	UPTU	2007
Rajesh Bajaj	Surface Finish Optimization in Honing Process	UPTU	2006
Saras Agarwal	A simplified approach for determination of optimal cutting conditions for face milling operation under practical constraints.	UPTU	2003

### BOOKS PUBLISHED

Reviewed	Publisher	Year	ISBN No.
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Introduction to Robotics Dr. S.K. Saha	Tata Mc-graw Hill	2008	10:0-07-066900-7
Robot Systems and Analysis	Tata Mc-graw Hill		
<b>Research Publications in International Journals</b>			
<ul style="list-style-type: none"> <li>• Gupta R., Batra J.L. Lal G.K., 1994, “ Profit rate maximization in multi-pass turning with constraints a geometric programming approach”, <i>International Journal of Production Research</i>, Vol 32, No.7, 1557-1559.</li> <li>• Gupta R., Batra J.L. Lal G.K., 1994, “ Determination of optimal subdivision of depth of cut in multipass turning with constraints, <i>International Journal of Production Research</i>, Vol 33, No.9, 2555-2565.</li> <li>• Awasthi, D., Tiwari, A., Gupta, R., Determination of spinodal points in equation of state using non linear Optimization SQP method in multiphase flow”, <i>International Journal of Advanced Technology in Engineering and Science</i>, Vol.3, No. 11, 2015.</li> </ul>			
<b>Publications in International Conferences</b>			
<ul style="list-style-type: none"> <li>• Tripathi, A., Dwivedi, B., Gupta, R., “Optimization of bottom Kerf Width procuded on graphite filled glass fiber reinforced Epoxy composite through Abrasive water jet machining”, International Conference on Design, materials and manufacturing concerns in production of quality engineering goods 2017 organized by HBTU, Kanpur.</li> <li>• Dwivedi, B., Gupta, R., “Weight reduction of bolster of CASNUB Bogie for Indian Railway BOXN Wagon” , International Conference on Design, materials and manufacturing concerns in production of quality engineering goods 2017 organized by HBTU, Kanpur.</li> <li>• Sunder, S., Gupta, R., “Optimization of cutting parameters in turning of Aluminum Rod using Taguchi Method” , International Conference on Design, materials and manufacturing concerns in production of quality engineering goods 2017 organized by HBTU, Kanpur.</li> <li>• Kant, V., Gupta, R., “ Reduction of spring back stainless steel sheet under various lubrication mediums”.</li> </ul>			
<b>Publications in National Conferences</b>			
<ul style="list-style-type: none"> <li>• Agarwal, Saras and Gupta Rajive, “ Determination of Optimal cutting conditions for multi-pass face milling Operation under practical constraints- a dynamic programming approach”, PE 120 National Conference ISME 2003 held at IIT Roorkee.</li> <li>• Gupta Rajive, “A simple model for selection of optimal conditions for maximum metal removal rate in SiC Grinding”, Conference ECKAME-2006, March 18-19, 2006, Engineering College Kota, Kota.</li> <li>• Sood A.K. and Gupta, R. “ Adaptive slicing of point cloud data to minimize the volumetric error in rapid prototyping”, Proceedings National Conference RTMNR-2006, NIT, Rourkela, pp 284-292.</li> </ul>			