
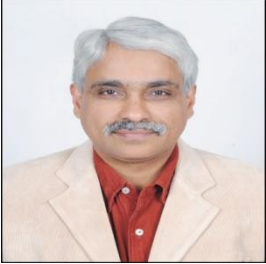


SHALENDRA KUMAR SINGHAL		
	DESIGNATION	Professor
	QUALIFICATION	Ph.D.
	AREA OF INTEREST	Rapid Prototyping, Ultrasonic Tomography
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DETAILED PROFILE

SHALENDRA KUMAR SINGHAL			
	Designation	PROFESSOR	
	Phone no.	9140219950	
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	Website	https://hbtu.ac.in/mechanical-engineering-2/	
	Google Scholar Address	https://scholar.google.com/citations?user=mEfBNT8A AAAJ	
AREA OF INTEREST:			
Rapid Prototyping, Ultrasonic Tomography			
PROFESSIONAL EXPERIENCE			
Designation	Organization	From	To
Lecturer	H.B.T.I., Kanpur	27th Dec.87	26th Dec.93
Sr. Lecturer	H.B.T.I., Kanpur	27th Dec 93	26th Dec 98
Asst. Prof.	H.B.T.I., Kanpur	27th Dec 98	31st Dec 2006
Associate. Prof	H.B.T.I., Kanpur	1 Jan, 2006	7 Jul. 2008
Professor	H.B.T.U., Kanpur	8 Jul 2008	Till Date
DETAILS OF SUBJECTS TAUGHT			
Names of Subjects at Under Graduate Level	Institution	Names of Subjects taught at Post Graduate Level	Institution
Engineering Mechanics, Fluid Mechanics , Fluid Machines, Experimental Stress Analysis, Machine Design, Thermodynamics	HBTU, Kanpur	Advanced Mechanics of Solids, Experimental Stress Analysis Product Design and Development, Rapid Prototyping, FEM, Optimization	HBTU, Kanpur
EDUCATIONAL QUALIFICATION			
Degree	University / Institution	Subject	Year
B.E. (Mechanical)	Avadh University,	Mechanical	1986

	Faizabad	Engineering	
M.E. (M/c Design)	University of Roorkee, Roorkee	M/C Design	1989
Ph.D.	U.P. Technical University, Lucknow	Rapid Prototyping	2008
ADMINISTRATIVE EXPERIENCE			
Designation	Organization	From	To
Vigilance Officer	HBTU, Kanpur	Jan 19	Till date
In charge Mechanical Maintenance	HBTI	2008	2009
Warden	HBTI	1994	1996
Warden	HBTI	1988	1990
FACULTY INTERACTION WITH OUTSIDE WORLD			
Organization	Position / Assignment	Nature of interaction	Year
Bundelkhand University	Member BOS	Academic	2017
BIET, Jhansi	Practical Examiner	Academic	2016
KNIT, Sultanpur	Practical Examiner	Academic	2019
MEMBERSHIP OF PROFESSIONAL SOCIETIES			
Name of Membership	Organization	Year	
<ul style="list-style-type: none"> Life member of Indian Society for Technical Education (ISTE) LM-19356. 	ISTE	LIFE MEMBER	
SPONSORED RESEARCH PROJECTS			
Number of Projects Completed			
INDUSTRIAL PROJECTS: Worked As Co-investigator at I.I.T.,Kanpur in “Laser Ultrasonic Tomographic Imaging of Composite.” 1998, with Prof. N.N.kishore, Prof. N.G.R. Iyenger Prof. P. Munshi and Prof. S.K.Rathor			
Total amount of Project was Rs. 19.63 lacks sanctioned for three year by NRB for three years vide letter no DNRD/4003/11 dated 29 th October 1998.			
Number of Projects Completed: 01			
ORGANIZATION OF SEMINARS/CONFERENCES/WORKSHOPS			
Number of Seminars/Conferences/Workshops organized			
PARTICIPATION IN SEMINARS/CONFERENCES/WORKSHOPS			
Number of Seminars/Conferences/Workshops Participated			
ORGANIZATION OF SHORT TERM COURSES			
Number of Short Term Courses participated			
PARTICIPATION IN SHORT TERM COURSES			
<ul style="list-style-type: none"> Fuzzy Logic and its Engineering Application at IIT, Kanpur from May 3, to May 9, 1999. Short term Course on “Non Destructive Assessment Of Structures” March 15-20 2004, at M.B.M. Engineering College, Jodhpur A course on Scientific Computing with MATLAB , June 7-11,2004 IIT, Kanpur Short term Course on “CAD/CAM using CATIA” 30-5-2005 to 3-6-2005. at NITTTR Chandigarh. Short term Course on “CAD USING PRO/ENGINEERING” 8-5-2006 to 12-05-2006. at NITTTR Chandigarh. TEQIP Workshop on Applied Mechanics at IIT Kanpur, 4-7, October 2013. Management Capacity Enhancement Programme for Administrators at IIM Lucknow at Noida Campus March 10-14, 2014. TEQIP Workshop on Mechanics and Applied Mathematics at IIT Kanpur, 19-25 July 2014. TEQIP sponsored Workshop on Intellectual Property Rights and Patenting at HBTI, Kanpur, 27-29, August 2016. 			

- TEQIP sponsored Workshop on Outcome based Accreditation for Undergraduate Engineering Programs at HBTU, Kanpur, 22-23 March, 2018.
- Short term course on Yoga and Life Management at IIT Delhi, 6-11 Nov,2016

RESEARCH GUIDANCE

M.Tech. Guided

Name of M.Tech. Scholar	M.Tech. Dissertation Topic	University	Year of Award
Vipin Kumar Chaurasia	Experimental determination of mechanical properties of recycled tyre rubber particulate composites.	HBTU Kanpur	2014
Gaurav Tyagi	Experimental study on machining of EN24 using minimum quantity lubrication.	HBTU Kanpur	2018

Research Publications in International Journals

1. S. K. Singhal, A. P. Pandey, P. M. Pandey, A. K. Nagpal (2005) Optimum part deposition orientation in Stereo lithography, Computer Aided Design and Applications, 2, pp. 319-238.
2. P. B. Bacchewar, S. K. Singhal, P. M. Pandey (2007) Statistical modelling and optimization of surface roughness in selective laser sintering process, Journal of Engineering Manufacture, Proc. IMechE J. of Engineering Manufacture, 221(B), 35-52.
3. Alka Gupta, S. K. Singhal, Suman Katiyar, Reena Singhal, and A. K. Nagpal, (2008) Reactive Blends of Epoxy Resin (DGEBA) Cross-Linked by Anionically Polymerized Polycaprolactam: Adhesive Property and Chemical Resistance; Polymer-Plastics Technology and Engineering, 47: 1-14,
4. S. K. Singhal, P. K. Jain, P. M. Pandey, (2008) Adaptive slicing for SLS prototypes, Computer Aided Design and Applications, 5(1-4), 2008, 412-423.
5. S. K. Singhal, P. K. Jain, P. M. Pandey, A. K. Nagpal, (2008) Optimum part deposition orientation for multiple objectives in SL and SLS prototyping, Accepted on 1 May 2008, International Journal of Production Research, Taylor and Francis. Vol. 47(22) 2009, pp.6375-6396.

Publications in International Conferences

1. S.K. Singhal, S.K. Rathore, P. Munshi, N.N. Kishore and N.G.R. Iyenger, "Ultrasonic Tomography of Polymeric Materials" Presented in "Satellite Conference on Image Analysis of Materials & Life Sciences", Nov. 7-10, 1999, Kalpakkam, India.
2. S.K. Singhal, S.K. Rathore, P. Munshi, N.N. Kishore and N.G.R. Iyenger, "Defect Identification by Ultrasonic Tomography in Polymers" in 15th World Conference on Non-Destructive Testing, Oct. 12-15, 2000, Rome, Italy.
3. S.K. Rathore, , N.N. Kishore P. Munshi and S.K. Singhal, "Ultrasonic Tomography of closely spaced defects " in 15th World Conference on Non-Destructive Testing, Oct. 12-15, 2000, Rome, Italy.

4. S. K. Singhal, P. M. Pandey, A. K. Nagpal Optimization of SLS process parameters through Taguchi's technique for better surface quality, E-Proceedings of Global Conference on Production and Industrial Engineering, National Institute of Technology, (2007) Jalandhar.
5. Alka Gupta, S.K.Singhal,Varun Dixit, A.K.Nagpal, "Study on Mechanical and Electrical properties of Reactive blends of Epoxy resin and polycaprolactam" presented in International Conference, "INCO`M-06" Held AT I.I.T., Kanpur Held on 12-14 Dec. (2007)
6. Chaurasia V. K., Bhaskar J., Singhal S. K., 4Bhattacharya B. Structural and Dynamic Properties of Waste Tyre Rubber Composites published in proceeding at serial No 279 of International Conference COPEN9 at IIT BOMBAY December 10-12, 2015.
7. Gaurav Tyagi, Jitendra Bhaskar, S K Singhal and G.Bartarya "Experimental Study on Machining of EN24 using Minimum Quantity Lubrication" presented in AIMTDR-2018 held at Anna University, Chennai during December 13-15, 2018.S.K. Singhal, S.K. Rathore, P. Munshi, N.N. Kishore and N.G.R. Iyenger, "Defect Identification by Ultrasonic Tomography in Polymers" in 15th World Conference on Non-Destructive Testing, Oct. 12-15, 2000, Rome, Italy.

Publications in National Conferences

1. S. K. Singhal Rapid Prototyping: a boon for product development, Souvenir, ECKAME 2006 held at Engineering College, Kota.
2. V.K. Chaurasia, Jitendra Bhaskar, and S.K. Singhal "Structural properties of waste tyre rubber composites" published in proceeding of Innovation in Materials, Design & Manufacturing March 27-28, 2015 pp:154-160, ISBN : 978-93-8469-47-2.