

SAURABH SANGAL

DESIGNATION	Assistant Professor
QUALIFICATION	M.Tech.
AREA OF INTEREST	Thermal and fluids systems, Hydro-mechanical systems, Computational fluid dynamics
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SAURABH SANGAL			
	Designation	ASSISTANT PROFESSOR	
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AREA OF INTEREST			
Thermal and fluids systems, Hydro-mechanical systems, Computational fluid dynamics			
PROFESSIONAL EXPERIENCE			
Designation	Organization	From	To
Assistant Professor	THDC-IHET, Tehri-Garhwal, Uttarakhand	5 th Jan 2018	1 st Sept 2018
Assistant Professor	Krishna Engineering College, Ghaziabad, Uttar Pradesh	16 th July 2015	30 th June 2016
Assistant Professor	Lovely Professional University, Jalandhar, Punjab	21 st July 2013	30 th Nov 2014
DETAILS OF SUBJECTS TAUGHT			
Names of Subjects at Under Graduate Level	Institution	Names of Subjects taught at Post Graduate Level	Institution
Fluid Mechanics and Machinery	HBTU Kanpur, KEC Ghaziabad	Computational Fluid Dynamics	Lovely Professional University, Jalandhar, Punjab
Power plant technologies, IC Engines	Lovely Professional University, Jalandhar, Punjab		
Refrigeration and air-conditioning	HBTU Kanpur		
Machine design	HBTU Kanpur		
EDUCATIONAL QUALIFICATION			
Degree	University / Institution	Subject	Year
Ph.D	IIT Roorkee	Impact analysis of hydro- abrasive erosion in Hydro-turbines through CFD	2016-Present (ongoing)
M.Tech	IIT Roorkee	Alternate hydro energy systems	2011-2013
B.Tech	Sri Sukhmani Institute of engineering and technology, Punjab	Mechanical Engineering	2006-2010

PARTICIPATION IN SEMINARS/CONFERENCES/WORKSHOPS			
1. Participated in the TEQIP workshop on “Faculty Induction Program” organized at IIT Hyderabad.		20-24 January 2018	
2. Two week ISTE STTP on “Technical Communication” conducted by IIT Bombay under the National Mission on Education through ICT sponsored by MHRD at Dronacharya College of Engineering, Greater Noida.		30 th Nov-5 th Dec 2015	
3. Attended Hands-on workshop organized by Sofcon India Pvt. Ltd. Covering Hydraulics/Pneumatics.		9 th March 2016	
ORGANIZATION OF SHORT TERM COURSES			
1. STC on “Hydropower Generation: Technologies and Policies”, THDC Institute of Hydropower Engineering and Technology, Tehri. Uttrakhand		Aug 27 th to Sept 1 st 2018	
PARTICIPATION IN SHORT TERM COURSES			
1. Participated and delivered an expert lecture in STC on “Hydropower Generation: Technologies and Policies”, THDC Institute of Hydropower Engineering and Technology, Tehri. Uttrakhand		Aug 27 th to Sept 1 st 2018	
2. Attended the “Gian STC” entitled “Two Phase Flow and Heat Transfer” at IIT Roorkee sponsored by MHRD.		OCT 23 rd to Nov 3 rd 2017	
CONFERENCE PROCEEDINGS EDITED			
Name of Conference	Place	Dates with year	ISBN No.
2016 International Conference on Signal Processing, Communication, Power and Embedded System (SCOPEs)	Bhubaneswar, Orrisa	2016/10/3	978-1-5090-4620-1/16/\$31.00 ©2016 IEEE
Research Publications in International Journals			
1. Saurabh Sangal, Arpit Garg and Dinesh Kumar. “Review of Optimal Selection of Turbines for Hydroelectric projects”. International Journal of Emerging Technology and Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 3, Issue 3, March 2013.			
2. D Kumar, S Sangal, RP Saini. “Flow Analysis of Kaplan Hydraulic Turbine by Computational Fluid Dynamics”. International Journal of Applied Engineering Research.			
3. Sangal, Saurabh, M K Singhal, and R P Saini. 2018. “Hydro-Abrasive Erosion in Hydro Turbines: A Review.” International Journal of Green Energy, February. Taylor & Francis, 1–22. doi:10.1080/15435075.2018.1431546.			
Publications in International Conferences			
1. S Sangal, MK Singhal, RP Saini. “CFD based analysis of silt erosion in Kaplan hydraulic turbine”. 2016 International Conference on Signal Processing, Communication, Power and Embedded System (SCOPEs). 978-1-5090-4620-1/16/\$31.00 ©2016 IEEE			