

VIKAS RATTAN

Associate Professor
Department of Mechanical Engineering
Lyallpur Khalsa College of Engineering
Jalandhar



Fathers Name: Late. Sh. Harbans Lal Rattan

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EDUCATION

2011	Pursuing Ph.D in Mechanical Engineering (Synopsis Submitted) Thesis topic : “ <i>Some investigations on plasma sprayed Pure and Reinforced Hydroxyapatite Coatings</i> ” Punjab Technical University, Jalandhar.
2007	M.Tech in Industrial Engineering Thesis topic “ <i>A comparative analysis of the benefits achieved with the application of Quality Improvement Techniques in the Small and Medium Enterprises (SMEs)</i> ” National Institute of Technology, Jalandhar.
1998	B.Tech in Mechanical Engineering Guru Nanak Dev Engineering College, Ludiana (Punjab University)

EXPERIENCE (17 years ,4 month)

INDUSTRY

S.No	Name of the Industry	Post held	Period		Total Experience
			From	To	
1.	Krishna Engg.Works Ltd , Jalandhar City	Mechanical Engineer	01-12-98	31-05-02	03 years, 05 month.

TEACHING

S.No	Name of the Institute	Post held	Period		Total Experience
			From	To	
2.	Amritsar College of Engg and Technology , Amritsar	Workshop In charge	01-07-02	31-07-05	03 years , one month
3.	Amritsar College of Engg and Technology , Amritsar	Assistant W/shop Supdt.	01-08-05	31-12-08	03 years , 05 month
4.	Amritsar College of Engg and Technology , Amritsar	Assistant Professor	01-01-09	30-04-11	02years ,04 month
5.	Amritsar College of Engg and Technology , Amritsar	Associate Professor	01-05-11	19-06-14	03years,01 month
6.	Lyallpur Khalsa College of Engineering ,Jalandhar	Associate Professor	01-07-14	Till date	02years

PUBLICATIONS	
International Journals	
➤	Vikas Rattan, T.S.Sidhu, Manoj Mittal., (2012) “An overview of Hydroxyapatite coated titanium implants” Asian Journal of Engineering and Applied Technology, Vol.1, No.2, pp 40-43.
International Conferences	
➤	Vikas Rattan, T.S.Sidhu , Manoj Mittal “ An overview of Hydroxyapatite coatings for Bioimplants” International Conference on Advancements in Engineering and Technology (ICAET-12) 12 th -13 th October’2012 held at Bhai Gurdas Institute of Engineering and Technology ,Punjab ,India,pp 12-15.
➤	Vikas Rattan, T.S.Sidhu , Manoj Mittal “ A review on Thermal spraying processes used for bioceramic coatings” International Conference on Production and Industrial Engineering, CPIE-2013 held at NIT, Jalandhar, pp 648-651.
National Conferences	
➤	Vikas Rattan, T.S.Sidhu “Materials, Modification Techniques and Failure of Bioimplants: An Overview” National Conference on Advancements in Mechanical Engineering &Energy Environment (AMEEE-12) 6 th – 7 th January’2012 held at SLIET Longowal.
➤	Vikas Rattan, T.S.Sidhu “An Overview of Thermal Spraying Techniques used to deposit Hydroxyapatite Coatings” National Conference on Latest Developments in Science ,Engineering and Management(LDSEM) 28 th – 29 th March’2014 held at Amritsar College of Engineering and Technology, Amritsar.

SEMINARS / WORKSHOPS / SHORT TERM COURSES ATTENDED				
#	Name of the Programme	Duration	Sponsored by	Held at
1.	Faculty Development Programme	20 th -27 th Nov’2003 (One Week)	DST,New Delhi	Jalandhar
2.	Energy for Sustainable Development	09 th Feb’2008 (One Day)	Mech.Engg Deptt	CTIEMT,Jalandhar
3.	Advanced Materials and Their Applications	23 rd May’2008 (One Day)	Community development programme of TEQIP	NIT, Jalandhar
4.	Deployment of Six Sigma	08 th Nov’2008 (One Day)	RBCENTW, Hoshiarpur	RBCENTW, Hoshiarpur
5.	Winter School on Perspectives of Welding Technology	28 th Dec’09-02 nd Jan’10 (One Week)	MHRD/ AICTE	NIT, Jalandhar
6.	Summer School on Enhancing Competitiveness Thro’ Change Management	07 th June-11 th June’2010 (One Week)	MHRD/ AICTE	NIT, Jalandhar
7.	Summer School on Perspectives of Metal Cutting –Present and Future	12 th July-16 th July’2010 (One Week)	MHRD/ AICTE	, NIT, Jalandhar
8.	Winter School on Welding: Roadmap to Excellence	27 th Dec- 31 st Dec’2010 (One Week)	MHRD/ AICTE	NIT, Jalandhar
9.	Quality Improvement Programme on Processing Challenges and Newer Manufacturing Methods	25 th June- 29 th June’2011 (One Week)	AICTE	QIP Centre IIT ,Roorkee
10.	National workshop on the Use &Deployment of Web &Video Courses	06 th July- 07 th July’2011 (Two Days)	MHRD	IIT,Delhi
11.	Application of lean six sigma in Indian industry	28 th April’2012 (One day)	Industrial Engg Deptt	NIT,Jalandhar
12.	Robotics in Industrial Automation and Advanced Manufacturing	02 nd July- 06 th July’2012 (One Week)	PTU,Jalandhar ,	SSIET,Dera Bassi
13.	Advances in Welding Technology and Surface Engineering	09 th July- 13 th July’2012 (One Week)	PTU,Jalandhar	MIMIT Malout
14.	Emerging trends in Mechanical Engineering & Research	31 st Dec’12- 04 th Jan’13 (One week)	PTU , Jalandhar ,	ACET,Amritsar
15.	Human Factors Engineering	01 st July- 05 th July’2013 (One week)	TEQIP,MHRD New Delhi	NIT,Jalandhar
16.	Numerical and Computational Techniques in Engineering	08 th July- 12 th July’2013 (One week)	PTU,Jalandhar	Amritsar
17.	Advanced Manufacturing Methods : Future Chalanges	07 th July- 11 th July’2014 (One week)	ISTE,PTU,Jalandhar	Amritsar

PROFESSIONAL MEMEBERSHIPS

- Life time member of **Indian Society for Technical Education {ISTE}** {Membership No : LM – 58982}

TRAININGS UNDERGONE

- One month industrial training at **Leader Engg.Works Ltd** at Jalandhar City.
- One month industrial training at **Diesel-Loco Modernization Works {formerly Diesel Component Works}** at Patiala.

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