#### **Profile Page**



Name	:	Dr Subhash Chander				
Designation	:	Professor				
Department	:	Mechanical Engineering				
Qualification	:	PhD Thermal Engineering (Indian Institute of Technology Delhi)				
		Master of Engineering Mechanical Engineering with specialization in Rotodynamic Machines (Punjab Engineering College Chandigarh)				
		Bachelor of Engineering Mechanical Engineering (Guru Nanak Dev Engineering College Ludhiana)				
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#### **Research Interests :**

Heat Transfer, Fluid Mechanics, Combustion, Renewable Energy, Computational Fluid Dynamics

Sub Areas of Research: Experimental and computational studies on direct flame impingement heat transfer, Experimental and computational investigations on swirling impinging iso-thermal jets and flames, Experimental and computational studies on heat transfer enhancement in solar air heater with artificial rib roughness, Experimental and computational studies on spray impingement cooling, Experimental and computational studies on electronic component cooling.

#### **Other Profile Links :**

#### **Google Scholar Link :**

Dr Subhash Chander Click Here

#### **Journal Publications :**

Year	Journal	Publication				
2023	International Journal of Ambient	Subbarao chamarthi, Satyender Singh and Subhash Chander, "A CFD				
	Energy (Available Online:	based approach on thermo hydraulicperformance evaluation and				
	03/04/2023)	optimization of wavy corrugated curved channel solar air heater"				

2022	International Communications in	Parampreet Singh, Ratna Kishore Velamati and Subhash Chander, "Effect
	Heat and Mass Transfer, Volume	of Obliquity on Impingement Heating Characteristics of Co-axial
	139, December 2022, 106474	Swirling Flame Jet - An Experimental and Numerical Investigation"
2022	Heat and Mass Transfer (Accepted	Dinesh Kadali, Parampreet Singh, Ratna Kishore Velamati and Subhash
	on: 24/10/2022)	Chander, "Impingement Heating Characteristics of Domestic Gas Burner
		Flames"
2022	Journal of Energy Storage,	Geeta Verma, Satyender Singh, Subhash Chander and Prashant Dhiman,
	Volume 47, March 2022, 103619	"Numerical investigation on transient thermal performance predictions of
		phase change material embedded solar air heater"
2022	Heat and Mass Transfer, 58, pages	Ravinder Kumar, Dwesh K. Singh and Subhash Chander, "A critical
	1507–1531 (2022)	review on the effect of nanorefrigerant and nanolubricant on the
		performance of heat transfer cycles"
2021	International Communications in	Parampreet Singh, Ratna Kishore Velamati and Subhash Chander, "Effec
	Heat and Mass Transfer, Volume	of Interactions on Impingement Heat Transfer in Odd and Even Element
	127, October 2021, 105576	Linear Arrays of Co-axial flames"
2021	Journal Fuel, Volume 295, Pages	Girish Sapra and Subhash Chander, "Lean blow-off characteristics of a
	120598 (14 pages)	tangential entry type dual swirling free and impinging flame"
2021	Heat and Mass Transfer (2021)	Girish Sapra and Subhash Chander, "Effect of Enclosure on Heat
	57:1011-1023	Transfer Characteristics of Dual Swirling Flame Impinging on a Flat
		Surface"?
2020	Transactions of the ASME, Journal	Parampreet Singh, Ratna Kishore Velamati and Subhash Chander, "A
	of Thermal Science and	Numerical Investigation on Fluid Dynamics and Heating Characteristics
	Engineering Applications,	of Co-and-Counter Rotating Multiple Swirling Impinging Flames
	031021-1-12 / Vol. 12, June 2020	Arranged in 3 x 3 Inline Array"
2020	Combustion Science and	Parampreet Singh and Subhash Chander, Effect of Interactions on Flow
	Technology, Vol. 192, NO. 4,	Field and Heat Transfer Characteristics for Three Co-Rotating Dual
	701–727, 2020	Swirling Flames Impinging on a Flat Surface
2020	Heat and Mass Transfer, Volume	Dwesh K. Singh, Ravinder Kumar and Subhash Chander. "An
	56, pages 2303–2311 (2020)	experimental approach to study thermal and tribology behavior of LPG
		refrigerant and MO lubricant appended with ZnO nanoparticles in
		domestic refrigeration cycle"
2020	Applied Thermal Engineering,	Girish Sapra and Subhash Chander, "Effect of Operating and Geometrica"
	Vol. 181 (2020) 115936, 1-13	Parameters of Tangential Entry Type Dual Swirling Flame burner on
		Impingement Heat Transfer"?
2020	Renewable Energy, Volume 154,	Satyender Singh, Shailendra Kumar Chaurasiya, Bharat Singh Negi,
	July 2020, Pages 1327-1345	Subhash Chander, Magdalena Nem and Sushant Negi, "Utilizing circular
		jet impingement to enhance thermal performance of solar air heater"
2020	Transactions of the ASME, Journal	Parampreet Singh, Ratna Kishore Velamati and Subhash Chander, "CFD
	of Heat Transfer, AUGUST 2020,	Analysis of Aerodynamics and Impingement Heat Transfer from
	Vol. 142 / 081301-1-15	Hexagonal Arrays of Multiple Dual-Swirling Impinging Flame Jets"
2020	Heat and Mass Transfer,	Parampreet Singh, Ratna Kishore Velamati and Subhash
	56:365–384, 2020	Chander,"Experimental and Computational Analysis of a Row of Three
		Co-Swirling Impinging Flames"
2019	Journal of Energy Storage, 21	Satyender Singh, Laxmikant Dhruw, Subhash Chander: Experimental
	(2019), 713–723	investigation of a double pass converging finned wire mesh packed bed
		solar air heater
2019	Journal of Energy Storage, 25	Satyender Singh, Ankit Singh and Subhash Chander, "Thermal
	(2019),100896	Performance of a Fully Developed Serpentine Wavy Channel Solar Air
		Heater"
2019	International Journal of Heat and	Parampreet Singh, Ratna Kishore Velamati, Prathap C, M Akram and
	Mass Transfer, 144 (2019)118657,	Subhash Chander,"Study of Flow Patterns and Impingement Heat
	pp:1-16	Transfer for an Annular Array of Eight Co-rotating Dual-Swirling
		Flames"

2019	International Journal of Thermal	Parampreet Singh and Subhash Chander, "Study of flow field and heat
	Sciences, 144 (2019), 191-211	transfer characteristics for an interacting pair of counter-rotating
		dual-swirling impinging flames"
2018	International Journal of Heat and	Parampreet Singh and Subhash Chander, "Heat transfer and fluid flow
	Mass Transfer, Vol.: 124,	characteristics of a pair of interacting dual swirling flame jets impinging
	pp.:90–108	on a flat surface"
2017	Fuel (Elsevier), Volume: 210,	Akash Deep, Sarbjot Singh Sandhu, Subhash Chander, "Experimental
	Pages: 15-22, 2017	Investigations on the Influence of Fuel Injection Timing and Pressure on
		Single Cylinder CI Engine Fueled With 20% Blend of Castor Biodiesel in
		Diesel",
2017	Environmental Progress &	Akash Deep, Sarbjot Singh Sandhu, Subhash Chander, "Experimental
	Sustainable Energy, 36 (4),	Investigations on Castor Biodiesel as an Alternative Fuel for Single
	1139-1150, 2017	Cylinder Compression Ignition Engine"
2017	Journal of Scientific and Industrial	Akash Deep, Sarbjot Singh Sandhu, Subhash Chander, "Optimization of
	Research, Vol. 76, February 2017,	Reaction Parameters of Transesterification of Castor Oil"
	page 116-118	
2016	Renewable Energy, Vol. 91, June	Narinderpal Singh Deo, Subhash Chander and J.S. Saini, "Performance
	2016, pp.484-500.	Analysis of Solar Air Heater Duct Roughened with Multigap V-Down
		Ribs Combined with Staggered Ribs"
2016	SAE Technical Paper, Issue:	Vikram Dang, Subhash Chander, "Numerical Simulation of Heat
	2016-01-1340.	Transfer Characteristics of Methane/air Swirling Turbulent Flame
		impinging on Flat Surface"
2016	American Journal of Heat and	Narinderpal Singh Deo, Subhash Chander and J.S. Saini, "Effect of
	Mass Transfer (2016) Vol. 3 No. 4	Alterations in V-down Rib on the Performance of an Artificially
	pp. 259-279.	Roughened Solar Air Heater Duct"
2015	Renewable and Sustainable Energy	Sukhmeet Singh, Subhash Chander and J.S. Saini, "Thermo-Hydraulic
	Reviews, Vol. 43 (2015),	Performance Due to Relative Roughness Pitch Iin V-Down Rib With Gap
	pp.1159-1166.	in Solar Air Heater Duct—Comparison With Similar Rib Roughness
		Geometries"
2015	Open Journal of Heat, Mass and	Satpal Singh and Subhash Chander, "Evaluation of Heating Capabilities
	Momentum Transfer, 2015, 3(1),	of Dual Swirling Flame under Fuel Lean Conditions"
2015	pp. 1-13.	
2015	International Journal of Thermal	Satpal Singh and Subhash Chander, "Heat Transfer Characteristics of
2015	Sciences, Vol. 89 (2015), pp. 1-12.	Dual Swirling Flame Impinging On a Flat Surface"
2015	International Journal of Applied	Vikram Dang, Subhash Chander, "Computational Study on Flow
	Engineering Research,	Structure and Combustion of Open Methane/air Swirling Flame"
2014	10(78):213-219, July 2015 BioChip J. (2014), pp. 1-11.	Harish Palani Naga Surya, Sajeesh Parayil, Utsab Banerjee, Subhash
2014	BioCinp J. (2014), pp. 1-11.	Chander and Ashis Kumar Sen, "Alternating and Merged Droplets in a
		Double T-junction Microchannel"
2014	International Journal of Heat and	Satpal Singh and Subhash Chander, "Heat Transfer Characteristics of
<i>2</i> 01⁻т	Mass Transfer, Vol. 77 (2014), pp.	Dual Flame with Outer Swirling and Inner Non-Swirling Flame
	995-1007.	Impinging on a Flat Surface"
2014	International Journal of	Jyoti Bharj, Sarabjit Singh, Subhash Chander, Rabinder Singh, "Role of
	Mathematical, Computational,	dispersion of multiwalled carbon nanotubes on compressive strength of
	Physical and Quantum	cement paste"
	Engineering, Vol. 8 (2) 2014, pp:	reaction framework and the second sec
	340-343.	
	1,540-545.	
2014		Jyoti Bharj, Sarabjit Singh, Subhash Chander, Rabinder Singh.
2014	Indian Journal of Pure & Applied Physics, Vol. 52 2014, pp: 35-38.	Jyoti Bharj, Sarabjit Singh, Subhash Chander, Rabinder Singh, "Experimental study on compressive strength of cement-CNT composite

2012	Experimental Thermal and Fluid	Gurpreet Singh, Subhash Chander, Anjan Ray, "Heat transfer
	Science, Volume 41, September	characteristics of natural gas/air swirling flame impinging on a flat
	2012, Pages 165-176.	surface"
2012	Applied Energy, Volume 97,	Sukhmeet Singh, Subhash Chander and J.S. Saini, "Investigations on
2012	September 2012, Pages 907-912.	
	September 2012, Pages 907-912.	thermo-hydraulic performance due to flow-attack-angle in V-down rib
2012		with gap in a rectangular duct of solar air heater"
2012	Energy, Volume 37, Issue 1,	Sukhmeet Singh, Subhash Chander and J.S. Saini, "Exergy based
	January 2012, Pages 749-758.	analysis of solar air heater having discrete V-down rib roughness on
2011		absorber plate"
2011	Energy, Volume 36, Issue 8,	Sukhmeet Singh, Subhash Chander and J.S. Saini, "Heat Transfer and
	August 2011, Pages 5053-5064.	Friction Factor Correlations of Solar air Heater Ducts Artificially
2011		Roughened with Discrete V-down Ribs"
2011	Journal of Renewable and	Sukhmeet Singh, Subhash Chander, J.S. Saini, "Thermal and Effective
	Sustainable Energy, Vol. 3,	Efficiency Based Analysis of Discrete V-Down Rib Roughened Solar Air
	023107 (2011).	Heaters"
2011	Journal of Renewable and	Sukhmeet Singh, Subhash Chander, J.S. Saini, "Heat Transfer and
	Sustainable Energy, Vol. 3,	Friction Factor of Discrete V-Down Rib Roughened Solar Air Heater
	013108 (2011).	Ducts"
2011	International Journal of Heat and	Subhash Chander and Anjan Ray, "Experimental and Numerical Study or
	Mass Transfer, Volume 54, Issues	the Occurrence of Off-Stagnation Peak in Heat Flux for Laminar
	5-6, February 2011, Pages	Methane/Air Flame Impinging on a Flat Surface"
	1179-1186.	
2008	International Journal of Heat and	Subhash Chander and Anjan Ray, "An Experimental and Numerical
	Mass Transfer, Volume 51, Issues	Study of Stagnation Point Heat Transfer for Methane/Air Laminar Flame
	13-14, 1 July 2008, Pages	Impinging on a Flat Surface"
	3595-3607.	
2007	Experimental Thermal and Fluid	Subhash Chander and Anjan Ray, "Heat Transfer Characteristics of
	Science, Volume 32, Issue 2,	Methane/Air Flame Impinging Normally to a Cylindrical Surface"
	November 2007, Pages 707-721.	
2007	International Journal of Heat and	Subhash Chander and Anjan Ray, "Heat Transfer Characteristics of Three
	Mass Transfer, Volume 50, Issues	Interacting Flame Jets Impinging on Flat Surface"
	3-4, February 2007, Pages	
	640-653.	
2006	Annals of the Assembly for	Subhash Chander, Abhineesh Das, Arpit Jain and Anjan Ray, "Effect Of
	International Heat Transfer	Slot Burner Aspect Ratio on Heat Transfer Characteristics For
	Conference 13, Volume 13 -	Methane/Air Flame Impinging on a Flat Surface"
	IHTC-13, Begell House Inc., 2006	
2006	Fuel and Energy Abstracts,	Chander, S. and Ray A., Flame impingement heat transfer: a review,
	Volume 47, Issue 2, March 2006,	
	Page 107.	
2006	Experimental Heat Transfer, Vol.	Subhash Chander and Anjan Ray, "Influence of Burner Geometry on
	19(1), pp. 15-38, 2006.	Heat Transfer Characteristics of Methane/air Flame Impinging on Flat
		Surface"
2005	Energy Conversion and	Subhash Chander and Anjan Ray, "Flame Impingement Heat Transfer –
	Management, Vol. 46(18-19), pp.	A Review"
	2803-2837, 2005.	
		Subhash Chander and Raman Bedi, "A Simplified Optimum Design of
2005	IE (I) Journal-MC, Vol.85,	
2005	IE (I) Journal-MC, Vol.85, pp.169-178, 2005.	Axial Flow Compressor Stage"
2005		

## **Conference Publications :**

Year	Conference	Publication
2013	ASME 2013 International Mechanical Engineering	Subhash Chander and Gurpreet Singh, "Effect of
	Congress & Exposition(IMECE13) November 15-21,	Helical Vane Swirler Geometry on Heat Transfer
	2013, San Diego, CA, USA (Paper Number:	Characteristics for Compressed Natural Gas/Air
	IMECE2013-63968).	Swirling Flame Impinging on a Flat Surface"
2013	ASME 2013 International Mechanical Engineering	Gurpreet Singh and Subhash Chander, "Effect of
	Congress and Exposition San Diego, California, USA,	Swirl Intensity on Heat Transfer Characteristics of
	November 15–21, 2013, Volume 8A: Heat Transfer	Swirling Flame Impinging on a Flat Surface"
	and Thermal Engineering, Paper No.	
	IMECE2013-64178, pp. V08AT09A021; 11 pages	
	doi:10.1115/IMECE2013-64178.	
2010	14th International Heat transfer Conference, August	Arun Kaushal, Gurpreet Singh, Subhash Chander and
	8-13, 2010, Washington, DC, USA.	Anjan Ray, "Heat Transfer Characteristics of Low
		Reynolds Number Turbulent Swirling LPG/Air Flame
		Impinging on a Flat Surface"
2010	International Conference on Methods and Models in	Jyoti Bharj, Sarabjit Singh, Subhash Chander, and
2010	Science And Technology (ICM2ST-10), AIP Conf.	Rabinder Singh, "Flame Synthesis of Carbon
	Proc. November 6, 2010 Volume 1324, pp. 389-393.	Nanotubes using Domestic LPG"
2010	Proceedings of the 4th International & 37th National	Anubhav Sinha and Subhash Chander, "Numerical
2010	Conference on Fluid Mechanics and Fluid Power	Investigation of Flame Jet Impingement on a Flat
	FMFP2010 December 16-18, 2010, IIT Madras,	Plate"
	Chennai, India.	1 fate
2010	National Conference on Advancements and Futuristic	Gurpreet Singh and Subhash Chander, "Flow
2010		Structure And Heat Transfer Of Impinging Swirling
	Trends in Mechanical and Materials Engineering	Isothermal Gas Jets - A Review"
	(February 19-20, 2010), Yadavindra College of	Isothermai Gas Jets - A Review
	Engineering, Punjabi University Guru Kashi Campus,	
2010	Talwandi Sabo, Punjab, INDIA.Proceedings of National Conference on Futuristic	Sateesh Pagoti, Gurpreet Singh and Subhash Chander,
2010	Trends in Mechanical Engineering, 29th-30th Oct,	"Heat Transfer Characteristics of Intermittent
	2010, GNDEC Ludhiana (Punjab) INDIA	
	2010, GNDEC Ludilialia (Pulijad) INDIA	Laminar CNG/Air Premixed Flame Impinging on a Flat Surface"
2010	Drossedings of ISME National Conference on	
2010	Proceedings of ISME National Conference on	Gurpreet Singh, Subhash Chander, "Heat Transfer
	"Mechanical Engineering for Sustainable	Characteristics of Turbulent Swirling Flame
	Development" from 2nd to 4th December, 2010 at	Impinging on a Flat Surface"
2000	Indian Institute of Technology (IIT) Delhi.	California Change and Andrea Dere "Instantion of
2009	Proceedings of 2009 ASME Summer Heat Transfer	Subhash Chander and Anjan Ray, "Investigation of
	Conference, July 19-23, 2009, Westin St. Francis, San	Flame Structure for Laminar Methane/Air Flame
	Francisco, California USA. Proceedings of the ASME	Impinging on a Flat Surface"
	Summer Heat Transfer Conference 2009, HT2009 3,	
••••	pp. 63-71.	
2008	Proceedings of the ASME Summer Heat Transfer	Subhash Chander and Anjan Ray, "A Combined
	Conference, HT 2008, 3, pp. 235-242, August 10-14,	Experimental and Numerical Study of Heat Transfer
	2008, Hyatt Regency Riverfront Jacksonville, Florida,	Characteristics for Methane/Air Flame Impinging
	USA.	Normally on a Flat Surface"
2007	Proceedings of the 24th ASM Heat Treating Society	Subhash Chander and Anjan Ray, "Heat Transfer
	Conference, September 17-19, 2007 COBO Center,	Characteristics of Laminar Methane/Air Flame
	Detroit, Michigan, USA, pp. 23 - 32.	Impinging on a Flat Surface"
2006	Proceedings of 18th National and 7th ISHMT-ASME	Subhash Chander and Anjan Ray, "Effect of Inter-Jet
	Heat and Mass Transfer Conference, January 4-6,	Spacing On Heat Transfer Characteristics for Three
	2006, at IIT Guwahati pp. 126 -134.	Methane/Air Jets Impinging On a Flat Surface"

2006	13th International Heat transfer Conference at	Subhash Chander, Abhineesh Das, Arpit Jain and
	Sydney, Australia, 13-18 August, 2006.	Anjan Ray, "Effect Of Slot Burner Aspect Ratio On
		Heat Transfer Characteristics For Methane/Air Flame
		Impinging On A Flat Surface"
2005	2005 ASME Summer Heat Transfer Conference, July	Subhash Chander and Anjan Ray, "Investigation of
	17-22, 2005, Westin St. Francis, San Francisco, CA,	Effect of Burner Diameter on Heat Transfer
	USA HT 2005, 2005, p 213-220.	Characteristics of Methane/ Air Flame Impinging on a
		Flat Surface"
2004	Proceedings of National Conference on Air Breathing	Ankush, G., Subhash, C. and Ray, A., "An
	Engines and Propulsion (NCABE-2004), at IIT,	Experimental Study of Flame Impingement Heat
	Kanpur, November, 5-7,2004, pp. 367-377.	Transfer Impinging Normally to the Flat Surface"
2001	Proceedings of National Conference on Advances in	Subhash Chander and Dinesh Shukla, "Recent
	Mechanical Engineering, JNTU Anantapur, 2001, pp.	Advances in Gas Turbine Blade Cooling"
	1-7.	

# **Book/Chapter Publications :**

Туре	Title	Publisher	Authors	ISBN/ISS	Year
				N No.	
Heating,-	Flame Jet Impingement On A Plane	LAP Lambert	Anubhav Sinha	ISBN-13:	2012
energy- and	Surface - A Numerical Study	Academic	Subhash Chander	978-3-659-	
power		Publishing (		20253-7	
station		2012-08-15)			
technology					

# **Research Projects :**

Role	Project	Title	Funding	From	То	Amount	Status	Co-Investi
	Туре		Agency					gator
Principle	Research	Improving	ISRO	01/03/2020	01/03/2022	30 Lacs	Ongoing	Dr.
Investigator	Project	the						Satyender
	(S-TIC_AC-	Conductive						Singh and
	0134)	Heat Transfer						Dr. Dwesh
		Efficiency of						Kumar
		Thermal Base						Singh
		Plate inside a						
		Thermal						
		Vacuum						
		Chamber						
Investigator	Consultancy	CFD	M/s	21/02/2019	21/05/2019	04 Lacs +	Complete	Dr.
	Project	simulation of	VERTEX			GST		Satyender
		Flow of water	INTERNAT					Singh
		at the Intake	IONAL					
		Section and	PRIVATE					
		CFD	LIMITED,					
		simulation of	Delhi 11006					
		Desilting	(India)					
		basin						

## **Events Organized :**

Catagory Type Title Venue From To Designati							
Category Type The venue Tom Tom Designation	Category	Type	Title	Venue	From	То	Designation

STC	National	IC Engine Fuels &	IT Park, NIT,	14-12-13	18-12-13	Chief
		Combustion	Jalandhar			Coordinator
		Technologies,				
		Sponsored by TEQIP II				

#### **Professional Affiliations :**

Designation	Organization	
Life Member	Combustion Institute (India)	
Life Member	Indian Society of Technical Education	
Life Member	Indian Society of Mechanical Engineers	

## **PhD Supervised :**

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Neeraj Kumar	Heat Transfer Enhancement Techniques (Broad	PhD in	2022	NA
	Topic)	Progress		
Girish Sapra	Stability and Heat Transfer Characteristics of	PhD	2022	NA
	Tangential Entry Dual Swirling Flame Impinging	Complete		
	on a Flat Surface under Different Burner			
	Configurations			
Akashdeep	Study on Performance, Emissions and	PhD	2018	Dr. SS Sandhu (NIT
	Combustion Characteristics of Single Cylinder	Complete		Jalandhar)
	C.I. Engine Using Optimized Castor Biodiesel			
	and Diesel Blend			
Ravinder Kumar	Flow Condensation Heat Transfer Characteristics	PhD in	2018	Dr. Dwesh K Singh
	of Refrigerants using Nanoparticles in Horizontal	Progress		
	Smooth Tube			
Subbarao	Thermohydraulic Performance Investigation of	PhD in	2018	Dr. Satyender Singh
Chamarthi	Curved Channel Solar Air Heaters	Progress		
Narinderpal	Performance Analysis of a Solar Air Heater	PhD	2017	NA
Singh Deo	Roughened With Multi-Gap V- Down Ribs	Complete		
	Combined With Staggered Ribs			
Parampreet Singh	Experimental and Numerical Investigation on	PhD	2016	NA
	Heat Transfer Characteristics of Arrays of Dual	Complete		
	Swirling Impinging Flames			
Satpal Singh	Stability and Heat Transfer Characteristics of	PhD	2015	NA
	Dual Swirling Flames Impinging on a Flat	Complete		
	Surface			
Gurpreet Singh	Heat Transfer Characteristics of Swirling	PhD	2012	NA
	Impinging Premixed Flame Jets using Helical	Complete		
	Vane Swirlers			
Sukhmeet Singh	Heat Transfer and Fluid Flow Characteristics of	PhD	2011	Prof. JS Saini (Ex-Prof,
	Artificially Roughened Solar Air Heater with	Complete		IITR)
	Circular V-Down Rib having Gap			
Rabinder Singh	Performance Optimization of Spark Ignition	PhD	2009	Dr. Nirmal Singh
Bharj	Hybrid Fuel Vehicle Using Gasoline and LPG	Complete		(BCET Gurdaspur)

# Admin. Responsiblities :

Position Held	Organization	From	То
Hostel Warden	NIT Jalandhar	03/10/2006	28/10/2010
Chief Warden	NIT Jalandhar	29/10/2010	02/09/2012

Head (Department of Mechanical	NIT Jalandhar	03/09/2012	04/09/2014
Engineering)			
Associate Dean (Students	NIT Jalandhar	31/01/2015	24/01/2017
Welfare)			
Associate Dean (Students	NIT Jalandhar	24/01/2018	03/02/2021
Welfare)			
Dean (Students Welfare)	NIT Jalandhar	04/02/2021	17/05/2022
Dean (Planning & Development)	NIT Jalandhar	18/05/2022	Till Date