1.	**Name**	Dr. M.K.Kushwaha	
2.	**Designation**	Associate Professor	
3.	**Date of Birth**	11.07.1961	
4.	**Education Qualification**	Ph.D.	Picture  Email Id: Kushwaha_m_61@yahoo.com
5.	**Work Experience**	**Teaching and Administrative :**	
		S.B.S.CollegeCollege of Engineering and Technology Ferozepur (Punjab)	17th Aug. 1995 to till date
		Thapar Institute of Engineering and Technology, Patiala (Punjab)	30.8.1990 to 16.08.1995
		Wesman Halverscheidt Forgings Ltd. Mandideep Bhopal (M.P.)	18.08.1986 To 14.08.1990

		m/s Gajra gears Pvt. Ltd. Dewas, (M.P.)	14.01. 1985 to 14.08.1986
		Research :	

		Others :		
6.	**Area of Specializations**	Mechanical engineering and Engineering materials(part of Design)		
7.	**Subjects Teaching at**	**(a) Graduate Level**		Engineering Materials and Metallurgy, ENGINEERING DRAWING, machine drawing and manufacturing processes.
		(b) Post Graduate Level		Advance manufacturing processes
8.	**Total Number of Research Publications (Annexure-A)**	**Published**		**Communicated**

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9.	**No. of Students Guided**	
	Master's	01
	Ph.D	08 (continued) thesis of one (harleen kaur) submitted
10.	**Academic Achievements and Awards.**	

11.	**Projects Carried out**	MODROBS (AICTE) project titled**,** *"Development of Non-destructive testing lab***.**" Worth Rs. 5.0 lakhs successfully completed by me as Chief-Coordinator of the project.	
12.	**Projects in Hand**	nil	
13.	**Applied Project**	nil	

15.	**Short-Term Courses Organised as a faculty**		
16.	**Short-Term Courses Attended**	Materials degradation and their protection Advanced methods for materials characterization Nano-technology-Nano materials & their applications Total quality management & ISO-9000 quality systems Induction training for teachers in engineering Advanced Characterization Techniques on nanomaterials	22 to 26 dec. 2008 06 – 10 FEB 2006 22 -25 FEB 2005 01- 12 JULY 2002 08-29 MAY1995 24 to 26 august, 2005
17.	**Faculty Development Programmes organized in the Institute**	**(List is attached as Annexure-B)**	
18.	**Membership of professional bodies:**)*Life member of ISTE:* -LM 28545		
19.	**Main Extra-Curricular Activities organized :**Annexure-C		
20.	**Main Curricular and Co-Curricular Activities Organised:** Annexure-D		

Annexure-A

LIST OF PUBLICATIONS

(A) International Referred Journals

- Kushwaha M.K., SilAnjan and Ray S. ***"Journal of Nanoscience and nanotechnology",*** vol. 8, no. 8, pp 4152-4158 (2008). American Scientific Publishers, USA**,** titled "Carbon nanotube/nanofiber embedded nanoporous Anodized aluminium oxide surface and its tribological properties."
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- MK Kushwaha, Procedia Materials Science 5, 1266-1273

  A comparative Study of Different Electrolytes for Obtaining Thick and Well-ordered nano-porous Anodic Aluminium Oxide (AAO) Films.

- Pore Distributions in Porous Anodic Aluminum Oxide (PAAO) Surfaces of Pure and Commercial Aluminum Substrates, MK Kushwaha, Journal of Materials & Metallurgical Engineering 2 (1).
- Harleen Kaur, Lalit Sharma and Manoj Kushwaha, (2016), "Effect of Anionic Surfactant on the Growth of Anodic Nanoporous Aluminum Oxide", ECS Journal of Solid State Science and Technology, 5 (12), pp. M154-M157.

- Harleen Kaur, Prabhjot Kaur, Lalit Sharma, Sangeeta Sharma and Manoj Kushwaha, (2016), "optimum pre-treatment conditions for obtaining highly ordered anodized aluminium oxide film", Global Journal of Engineering Science and Researches, 3(8), pp.52-62.

- Prabhjot Kaur, Sangeeta Sharma, Harleen Kaur, Lalit Sharma, M.K Kushwaha, (2013), "Electrodeposition Method Used for the Synthesis of Iron Nanowires via Porous Anodic Aluminium Oxide", International Journal of Engineering Sciences & Management, 3(4), pp. 37-40.

- Harleen Kaur, Lalit Sharma, Prabhjot Kaur, Sangeeta Sharma, Manoj Kushwaha,

(2013), "An Alternative Treatment to Electropolishing: Chemical Polishing", Journal of Advances in Chemistry, 1(1), pp. 1-4.

- M.K. Kushwaha, Harleen Kaur, Priyavrat Thareja, (2011), "Effect of Anodization Process Parameters on Morphology of Porous Anodic Aluminum Oxide and Carbon Nanotubes Grown by CVD", Journal of Production Research & Management, 1(3), pp.1-16.

- Priyavrat Thareja, Manoj Khushwaha, Mannu Thareja

  Industry Responsive Metallurgical Engineering Education Quality Through TQM, *Journal of Materials and Metallurgical Engineering.* Volume 4, Issue 1

(B) National Referred Journals
(C) International Conferences

Kushwaha M.K., SilAnjan and Ray S. (2007) Poster presentation titled "Carbon nanotube/nanofiber embedded in nanopores of Anodic aluminium oxide (AAO) surface." and abstract published in the proceedings of the *International conference* ***ANM-2007,*** *held at* ***I.I.T. Bombay, Mumbai*****, India**, 8-11 Jan. 2007.

Kushwaha M.K., SilAnjan and Ray S. (2007)Preparation of Anodic Aluminium Oxide (AAO) surface and its pore distribution characteristics published in the proceedings of the *International conference* ***CPIE-2007****, held on 22-24 march 2007 at Dr. B R Ambedkar National Institute of Technology* ***Jalandhar*** **(India).**

(D) National Conferences

(E) Invited Talk

I delivered a talk on scanning electron microscopy and transmission electron microscopy on dec, 23, 2013 in the national level two week FDP on "Analytical techniques for detection of environmental pollutants under TEQIP-2 at SBSSTCFZR.

Annexure-B

Faculty Development Programme organized in the Institute

Sr No	Name of FDP	Dept	From	To
1	Analytical techniques for detection of environmental pollutants	MECHANICAL	16 Dec. 2013	27 DEC 2013
2	FUTURISTIC MATERIALS	MECHANICAL	30 sept2013	5TH OCT.2013
4	Role of Industrial Engineering And Design in Present Scenario Soft Skills for Technical Teachers	MECHANICAL	16 Sept'2013	20 SEPT 2013
5	Soft Skills for Technical Teachers	MECHANICAL	2 Sept'2013	6 SEPT 2013
6	New Computing & Emerging Technologies in ICT	MECHANICAL	26 Aug'2013	30 AUG 2013
7	Role of Communication, Motivation and Team- Building in Enhancing the Performance of Teachers	MECHANICAL	25th May ' 2013	25th May ' 2013
8	Nature Inspired Computational Intelligence	MECHANICAL	6 May'2013	17 MAY 2013
9	Procurement and PMSS training.	MECHANICAL	15th March,	15th March,

			2012	2012
10	Intelligent Computational Techniques	MECHANICAL	4 July, 2011	15 JULY 2011

Main Extra-Curricular Activities organized

Annexure-D

Main Curricular and Co-Curricular Activities Organized

Worked as principal for more than a month in the absence of Dr. R.P.S. Sukerchakia (Regular principal) for the period 08.02.2003 to 12.03 2003.

Worked as Head of (i) Mechanical and Production Engg. Deptt. and (ii) Industrial Engg. and Management Deptt. successfully for three years for the period 22.06.1998 to 21.06 .2001. and many times for short durations thereafter due to rotation policy, being the senior most in the Deptt. for a period more than a decade.

Worked as chairman of many committees being one of the five senior most Asstt. Prof. in the absence of any professor in the college for more than a decade.

Worked as president sports for almost six years and initially was solely responsible for development of sports activities in the newly established college till appointment of regular D.P.E.

Worked as Stores and purchase officer for three years.

Delivered five lectures in the EDUSAT studio, at mohali, for III sem mechanical engg. students for the subject “Metallurgy and heat-treatment” under the PTU Jallandhar scheme, in the current semester.