CURRICULAM VITAE

Personal Details :-

I. Name : Sandeep Kumar

II. Date Of Birth : 21/06/1982

III. Contact Details : Ward-10, Guru Nanak Nagar, Garhshankar.
Distt-Hoshiarpur, Punjab. Pin-144527.
e-mail: er.sandip@rediffmail.com
cell: 8427949279

IV. Nationality : INDIAN

V. Employment History :

Job Title – Assistant Professor (University Lecturer)

Sr. No.	Organisation	From – To	No. of years
a)	K.C College of Engg. & IT, Karyam Road, City - Nawanshahr-144514. State – Punjab, INDIA. web.- www.kcinstitutes.com	27/08/2007 – 19/01/2015	8.7

VI. a) Responsibilities and Duties performed at k.c college of engg. & IT.

I had performed the duty of Assistant Professor in mechanical engineering department in which following subjects I had taught in past years during semesters :-

1. B.Tech.Course :-

Subjects taught: 1. Auto.Engg. 1 & 2 to 5th sem UG students 2. Theory Of Machines-1 to 3rd sem. U.G students 3. Theory Of Machines -2 to 4th sem. UG students 4. Elements Of Mechanical Engineering to 1st sem. U.G students 5. Engg.Materials & Metallurgy to 3rd sem. U.G students 6. Non Conventional Engg. Resources to 7th sem U.G students 7. Mechanical Materials & Metallurgy to 6th sem. U.G students 8. Applied Thermo Dynamics-1 to 3rd sem. U.G students 9. Applied Thermo Dynamics -2 to 4th sem. U.G students.

2. M.Tech.Course :-

Subjects taught : Quality Assurance & Liability to 3rd sem P.G students.

Achievements :-

1. Personally done many student admissions in overall years in all streams.
2. Awarded with title “Diamond Of K C Group Of Institutions” on 5th Sep.2014 On ceremony of “Teachers Day”.

VII. Educational Qualifications:

Sr. No.	Degree	College / University	Year	Class

1	Ph.D (Persuing)	Chandigarh University,Mohali	2013	Mech.Engg.
2	M.Tech.	R.I.E.T,Phagwara.(PTU,JLD)	2012	Prod.Engg.
3	B.Tech.	B.C.E.T,Gurdaspur (PTU,JLD)	2008	Mech.Engg.
4	Diploma	S.B.C.M.S Poly.Mukerian(PSTEB,CHD).	2004	Mech.Engg.

VIII. Special Training Programs Attended To Broadening Academic Career In Different Fields

A) Faculity Development Programme in R.I.E.T, Phagwara 2010
B) FDP In KC Campus during 2009, 2011, 2012.

IX. Research Experience : 5 Years.

a) UG Projects guided - 08

b) PG projects guided - 01

c) International Journal Publications - 04

1. Published research paper in international Journal on topic "solar water heater working performance analysis with flat bed collector" at serial no-6 , June 2015
2. Published research paper in international journal having web link "Efficiency increase of FPC with shell and tubes heat exchanger" at serial no-12, June 2015
3. Published Research Paper in international journal of emerging technology and advanced engineering (IJETAE) volume 2, issue 4, April 2012, serial no. 28, page – 160-162 (Investigation of surface integrity of AISI D3 tool steel)
4. Published research paper in international journal of advance engineering technlogy. IJAET/ Volume III/ Issue II/ April-June'2012/158-162 (Experimental analysis in MIG Welding with IS 2062 E250 A steel with various effects)

d) National Confrences - 10

1. Published paper on topic "Nano fluids advance applications – A Review" in national conference on "advancement in simulation & experimental Techniques in mechanical engineering on February 21st – 22nd 2014. Chandigarh University. Gharuan, Mohali.NCASEme-2014.
2. Published paper in national conference AERA-2015 28th August published paper on topic "working efficiency analysis of working solar water heater with FPC" organized by Chandigarh University, Gharuan, Mohali.
3. Published paper in national conference NCME-2016 "CFD analysis with solidworks flow simulation on FPC with various design parameters" on page 321 – 324 on conference proceeedings held at chandigarh university.
4. Published paper on topic 'Industrial applications comparison analysis of CAD, CAM and CAE – Review' in international journal of advanced and innovative research Volume 04, issue 06 june 2015. Serial no-66
5. Published paper in national conference NCME 2016 on topic " Experiment analysis on window air conditioner with R22 & R407c refrigerants" on page 86 – 92 in conference proceedings organized by chandigarh university, gharuan, Mohali.
6.) Published paper in national conference NCME 2016 on topic "Fatigue test analysis of piston by finite element analysis on ANSIS" on page 315 – 320 in conference proceeedings. organized by chandigarh university, gharuan, Mohali.

7. Presented paper in national conference on Experimental analyse the effect of hole diameter with dry EDM on EN8,EN31,D2,D3. At sri sukhmani institute of engg. & Tech.Dera Bassi. 15 march 2012.
8. Presented paper in national conference at jasdev singh sandhu inst. Of engg.& IT,Patiala on Experimental investigation on EDM of EN24.18 feb 2011
9. Presented paper in national conference at shaeed udam singh group of institutions ,Tangori,Mohali on optimization of processing parameters for electro discharge machining of die steel by tagauchi method L9 orthogonal array. Nov 3 2011.
10. Presented paper in national conference at st.soldier Inst.Of engg.& Tech.Jalandhar on study of wire cut EDM for industrial applications. 9 april 2011.

e) International Confrences. - 01
Presented paper in international conference at Chitkara University ,Chandigarh on non conventional machining is better alternative to conventional machining.20 july 2011.

f) Participated in Faculity Development programme organized by university institute of teachers training & Chandigarh University, Gharuan, Mohali, held from 07/07/2014 to 12/07/2014.

g) Attended workshop on Optimization Techniques & its applications organized by university center of research & development, Chandigarh University, Gharuan, Mohali, from dated 13th – 17th july 2015.

X. Administrative & Developmental Experience :-

a) Set up Skill Development School of Techanical Skills running 17 Courses in various fields under affiliation from Ministry Of HRD.(Govt.Of INDIA). With Earning Revenue for K.C Group 10 lack average/year.
http://www.kcinstitutes.com/Vocational-Training

b) Coordinator for A.I.C.T.E (Mech.Engg.Deptt).

c) N.B.A Technical Documentation coordinator to mech.engg.deptt.

d) Coordinator Punjab Government run sc/bc caste "ASHIRWAD" Scholarship Scheme (Mech.Deptt.)

e) Experiences as an examiner : 9.8 Years

XI. Referees

Dr.(Prof.) Satbir Singh Sehgal,
Dean Research, Chandigarh University,
Gharuan, Distt – Mohali, State – Punjab.
Web. – www.chandigarhuniversity.com
Cell. Phone. - +918146651622
e.mail - drsatbirsehgal@gmail.com

XII. Key Work Skills

These include my teaching to Undergraduate mechanical engineering students and Post graduate production engineering students. Can supervise major projects of U.G and P.G students. Which had given me result of above 80 % in U.G sections in taught subjects.