

CURRICULUM VITAE

Dilip Gehlot
Assistant Professor
Department of Mechanical Engineering
Govt. Engineering College Ajmer
Email: dlpgehlot@ecajmer.ac.in,
dlpgehlot@gmail.com
Contact No. 9461666366



Teaching & Professional Experience

S.No	Organization/Institute	Designation	Year	Exp.
1	Metal-Tech Ltd Gurgaon	Production Engineer	Aug.2004-2005	08 Month
2	Govt. Engg. College Ajmer	Assistant Professor	Sept2006-till date	

Education Details

Year	Degree/Certificate	Institute/School
2011	M.Tech (Manufacturing Sciences)	IIT, Kanpur
2004	B.E. (Mechanical Engg.)	Govt. Engineering College Ajmer
1999	XII (B.S.E.R, Ajmer)	D.A.V. School Ajmer

Published Papers in Journals

S.No.	Title	Journal	ISSN/ISBN
1	Anode shape prediction in Through-mask-ECMM using FEM	International Journal of Machining Science & Technology (Francis Taylor)	LMST-2014-0010.R
2	Analysis of Abrasive Jet Micro Machining by Taguchi Technique	Int. J. of Engg. Trends and Technology (IJETT)	Vol.49,No.6 pp.358-362 ISSN 2231-5381
3	Parametric Optimization of AJMM through Genetic Algorithm	Int. J. of Innovative Research in Science, Engg. and Tech.	Vol.6,Issue7 pp. 15127-15133
4	Study of Anode Shape Prediction in Through Mask ECMM	Int. Journal of Engg. Trends and Technology (IJETT)	Vol. 46, No. 6 pp.320-326 ISSN 2231-5381
5	Experimental Study of Anode Shape Prediction in Through Mask ECMM	ICCASP/ICMMD-2016. Advances in Intelligent Systems	ICCASP-2016. Advances in Intelligent Systems, Vol. 137, Pp. 220-228.
6	Parametric optimization of S1 tool steel in ECMM using RSM	IJEAT international journal of engineering advanced and Tech.	ISSN: 2249-8958 Volume X issue X

Paper Presented in Conferences, Seminars, Workshops, Symposia

S.N	Title of the paper presented	Title of Conference	Organized by	level
1	Process analysis and application of micro fabrication using patterning by electrochemical electrolysis process	Int. conference of advances in material and Design (AMPD2015)	NIT Surat	International
2	Parametric optimization of ECMM for Masking Aluminum by Taguchi Method	Int. conference of advances in material and Design(AMPD2015)	NIT Surat	International
3	Fabrication and Parametric Optimization of AJMM Setup by Taguchi Robust Design Method	6th Int. & 27th All India Mfg. Technology, Design, and Research Conference (AIMTDR2016)	College of Engg.,Pune	International
4	Experimental investigation of Erosion Behaviour of the Glass surface in AJMM	Proceeding in Int. Conference on Emerging Trends in Engineering	NIT Hamirpur	International (IEEE)
5	Application of Artificial Neural Network (ANN) for Analysis of AJM	Proceeding in 4th Int. conference on Industrial Engg. (ICIE-2017)	SVNIT Surat	International
6	Experimental Investigation Of AFM by using RSM and Parametric Optimization by Genetic Algorithm	Proceeding in 4th Int. Conference on Industrial Engg.(ICIE-2017)	SVNIT Surat	International
7	Optimization Of Electrochemical Discharge Machining Process Parameters Using Genetic Algorithm	Proceeding in 4th Int. Conference on Industrial Engg. (ICIE2017)	SVNIT Surat	International
8	A Review On ECSM	Proceeding in 4thInt. Conference on Industrial Engineering (ICIE-2017)	SVNIT Surat	International
9	Analysis of Abrasive Flow Machining by Taguchi Technique	Proceeding in Int. Conference on Emerging Trends in Engineering	NIT Hamirpur	International (IEEE)
10	Parametric Optimization of Electrochemical Spark machining For micro-hole fabrication	Proceeding in 4th Int. Conference on Industrial Engineering (ICIE-2017)	SVNIT Surat	International
11	Experimental investigation & parametric analysis of various process parameter on AJM by RSM	III rd International conference for convergence in tech. (978-1-5386-4273-3)	Pune	International (IEEE)
12	Survey of quality and management tool	NCREAT, Ajmer	GEC Ajmer	National
13	Implementation of quality circle	NCREAT, Ajmer	GEC Ajmer	National
14	Poka-Yoka a Tool for Mistake Proofing	NCREAT, Ajmer	GEC Ajmer	National
15	ECMM-An Advanced Manufacturing Process for Microfabrication	National Convention for Mechanical Engineers	IE Jaipur	National
16	Electrochemical Discharge Micro Machining: A Review	National Conference on Emerging Trend in Civil and Mechanical Engg. (NCETCME2017)	Aryabhata College of Engg. Ajmer	National

Short term course

Session	S.No	Programme	Duration	Organized by
2007-08	1	Six Sigma	7 days	MNIT Jaipur
2008-09	2	Altranativa Automobile Fuel	14 days	MNIT Jaipur
2012-13	3	Simulation and Modeling	7 days	GEC Ajmer
2014-15	4	Finite Element Method	7Days	MNIT Jaipur
	5	Promoting Excellence in research	7 days	GEC Ajmer
2015-16	6	Recent Advancement in Automotive	7 Days	NITTTR
2015-16	6	Statistical Analysys for Engineers	7 Dyas	IITK
2016-17	7	Disaster Management	7 Days	GEC Ajmer

Invited Lectures

Session	S.No	Title of Lecture	Title of Short-Term Course	Organized by	international/ National
2013-14	1	PDE tool	Simulation and modeling	NITTR Chandigarh	National

Seminar Conference and Short term Course Organized

Session	S.No	Title of Short-Term Course	Organized by	Whether international/National
2013-14	1	Simulation and Modeling	NITTR Chandigarh	National
2015-16	2	Human Valus in Education	TEQIP	National
2016-17	3	Disaster Management	TEQIP	National

Research Guidance

Session	S.No	Course	Name	Thesis Submitted	Degree awarded	University
2011-12	1	MTech Thesis	Gul Mohamad	Yes	Yes	RTU KOTA
2011-12	2	MTech Thesis	Imran	Yes	Yes	RTU KOTA
2012-13	3	MTech Thesis	Pankaj Jain	Yes	Yes	RTU KOTA
2012-13	4	MTech Thesis	Prakash Chauhan	Yes	Yes	RTU KOTA
2014-15	5	MTech Thesis	Sunil Bhati	Yes	Yes	RTU KOTA
2012-14	6	MTech Thesis	Kapil Verma	Yes	Yes	RTU KOTA
2015-17	7	MTech Thesis	Kamal Singh	Yes	Yes	RTU KOTA
2013-15	8	MTech Thesis	Khushawant	Yes	Yes	RTU KOTA
2015-17	9	MTech Thesis	Rajeev Yadav	Yes	Yes	RTU KOTA
2015-17	10	MTech Thesis	Rahul Sharma	Yes	Yes	RTU KOTA
2015-17	11	MTech Thesis	Faishal Pathan	Yes	Yes	RTU KOTA
2015-17	12	MTech Thesis	Rajeev Sharma	Yes	Yes	RTU KOTA
2014-17	13	MTech Thesis	Love Sharma	No	No	RTU KOTA
2014-17	14	MTech Thesis	Sanjay Makwana	Yes	Yes	Bhagwant University
2014-17	15	MTech Thesis	Dinesh Kumar	Yes	Yes	Bhagwant University
2014-17	16	MTech Thesis	Shanti Lal	Yes	Yes	Bhagwant University

Academic Achievements:

- Qualified GATE 2009 with AIR 449 (98.03 percentile)
- Qualified ESE2008 and ESE 2009 (written Exam) by UPSC
- Qualified DRDO Exam 2007 & 2008
- Presently providing guidance for Gate and IES Exam

M.Tech. Courses:

- Machining Science-I & Machining Science-II, Metal Forming, Advanced Machining Process, Finite Element Method

Subject Specialization(Teaching Experience)

- Operation Research.
- Finite Element Method
- Theory of metal cutting ,Newer Machining Method
- Analysis of Metal Forming and Casting processes

Academics Projects

- **M.Tech : Working on“ Anode shape prediction in ECMM using FEM” under the Guidance of Prof. V.K. Jain, Dept.of Mechanical Engg. IIT Kanpur**

Industrial Training:

- Undergone Vocational Training for 30 Days from Indian Railway workshop, Ajmer during II Yr. summer training
- Undergone Vocational Training for 45from **HMT Ltd Ajmer** during III Yr. Summer training.

Software Proficiency:

- Software Tool:MATLAB, ABAQUS, Solid Works, Design Expert, Minitab
- Programming Language: MATLAB Coding

Personal Information

- Name : Dilip Gehlot
- Father's name : Sh. P.C.Gehlot
- Date of Birth : 09-Aug.-1982
- Marital Status : Married
- Languages knew: Hindi, English
- Permanent Address : H.No.457/22,Shiv Nagar,Bihari Gunj,Ajmer-305001