

CURRICULAM VITAE

Dr. Vinay Kumar

Professor in Computer Science & Engineering

Add: CIVIL HOSPITAL ROAD, WARD NO.10, BARWALA,

Distt. HISAR (HARYANA) **Phone:** 01693-242091, 94165-42091 **E-mail:** vinayeq@yahoo.com



EDUCATIONAL QUALIFICATION:

Ph.D. in the faculty of **Science and Technology** GJUS & T, Hisar.

Subject: Mathematics

Topic: Deformation of Two Welded Half-spaces by Axially Symmetric Sources

M.TECH. (Computer Science & Engg.) from GJUS & T, Hisar

Marks: 72% 1st division

Thesis Topic '**Fuzzy Rule Base Reduction Using Singular Value Decomposition**' with Distinction.

M.Sc. (Applied Mathematics) from GJUS & T, Hisar

Marks: 80% 1st Class 1st Position (**Gold Medal**).

B.Sc. (Electronics) from Dayanand Post Graduate College, Hisar

Marks: 67% 1st Division.

Test Qualified: NET (JRF), GATE (2000)

Publication: (Total = 7)(List attached) 01 published in National Journal of repute; 06 published in international Journal of Repute.

International/ National Conferences Attended and Paper presented:

(Total = 22)(List attached) 08 International, 14 National

Books Published: (02)

1. A Text Book of Discrete Mathematics, IK international Publishing House Pvt. ISBN 978-93-80026-76-3.
2. A Text Book of Engineering Mathematics-II, Vayu Education of India. ISBN 978-93-80097-00-8

No. of Student Guiding at Ph. D.:05

1. Ms. AmitaKumari : Registered in Department of Mathematics, GJUS&T Hisar(**Co-supervisor**).
2. Mr. AmitJain : Registered in TMU Moradabad.(**Supervisor**).
3. Ms. HeenaSaluja: Registered in NIMS university.(**Supervisor**).
4. Mr. Deepak Gupta: Registered in Suresh GyanVihar University, Jaipur (**Co-supervisor**).
5. Mr. VikasAggarwal : Registered in Singania University

No. of Student Guided at M.Phill Level:02

1	NehaKumari, (08-DE-60655) CDLU, SIRSA	2009	Data Mining in Excel Using SQL Server	Single
2	Savita, (07-DE-51035), CDLU, SIRSA	2010	Analysis of Decision Support System Using Data Mining	Single

No. of Student Guided at M.Tech Level: 03**PROFESSIOANL SOCIETY MEMBERSHIP:**

1. Computer Society of India (life membership).100828 (1.10.2007 to 31-3-2009)
2. Indian Society of Technical Education (life membership).
3. Member Advisory Committee of ACCT-11,12 run by R.G. Education Society (Regd.) Rohtak.

Session Chair in conference:

1. National Conference on Advanced Computing & Communication Technologies,ACCT-10, 25-26 June, 2010
2. Second International Conference on Advanced Computing & Communication Technologies, IEEE Computer Society,7-8 Jan., 2012

WORKSHOP:

1. Short term program on LINUX conducted by Computer Science Department from 21/11/2005 to 25/11/2005 in NITTR Chandigarh.
2. Attended one day workshop on recent trend in optical communication at JIET, JIND on 16-04-2007.
3. Attended two-day workshop on Engineering Application of Mathematics held on 18-19 Dec., 2008 organized by the department of Applied Sciences, DCRUST Muruthal, Sonapat.
4. Workshop on Contemporary Communication Technologies organized by the ECE department of GJUS&T, Hisar in Collaboration with STOL, Indore, March 4, 2008
5. Attended two-week workshop sponsored by AICTE held at Jind Institute of Engg. & Tech., Jind, Dec 1-12, 2003
6. Attended Two day conference on “Challenges for the Technology and management in Knowledge Millennium at JIET, Jind. 2-3 March, 2006.
7. Attended one day work shop on MAT LAB organized by HCTM, Kaithal, Jan, 2007
8. Attended one day work shop on Oracle technology conducted by EON INFOTECH LTD, CHANDIGARH at JIET, Jind Nov., 25, 2007.

TEACHING EXPERIENCE: (APPROX. 13 YEARS)

- Lecturer, Jind Institute of Engg. & Tech., Jind from 5th July 1999 to Nov., 2004.
- Asstt. Prof. in CSE (Approved by Kurukshetra University), Jind Institute of Engg. & Tech., Jind from 1st Nov. 2004 to March, 2010.
- Professor in CSE (Approved by Kurukshetra University) and Vice Principal from March, 2010 to 23 April, 2012.
- Presently working as a Director, HIT group of institutions, Bahadurgarh from 24th April, 2012.

Visiting faculty: I have worked as a visiting faculty in MDU, Rohtak and GJU, Hisar.

As Resource Person in Refresher Course:

- At Govt. P.G. College Jind on 24th May and 29th May 2008.
- At All India Radio, Rohtak, as a expert talk in the “Scope and Job opportunity in Engineering”:---A Live show of 20 minutes

SUBJECT TAUGHT

U.G: SMCS(Statistical Modeling of Computer Science), Computation Techniques, Mathematics at all levels, Operating system, Software Engineering, C Language, Neural Network.

P.G.: Operating System, Data Structure,Mathematical Modeling, Advance Computer Architecture, Neural Network.

RESPONSIBILITY HOLD:

- Being Dean Academy affairs I was responsible to conduct the internal sessional examination and to do the correspondence with KurukshetraUniversity,Kurukshetra.
- I have also been involving in all the correspondences with The AICTE, DTE,and other bodies.
- Being a central member of the NBA team I am doing all the work of accreditation.
- Being a Vice principal I am looking after all the day to day running activities of the college since six Years.
- Member Board of Studies for UG/PG courses in KUK, from 26th August 2010 to 26th August 2012.
- Nominated as Teacher representative in the Faculty of Engineering and Technology selected by Vice chancellor KUK w.e.f. 25th February, 2011 for two years.

	Research paper published in Referred Journal
1	Singh, K., Singh, S.J. and Kumar, V. , "Displacement and strain fields due to axially symmetric sources in an elastic half-space in welded contact with another elastic half-space", Proc. Nat. Acad. Sci. India, 76(A):209-218 , III, 2006
2	Singh, K. , Kumar, V. and Sehrawat, R.K., "Displacement and Stress Fields Produced by a Centre of Explosion in a Viscoelastic Half-Space in Welded Contact with another Elastic Half- Space", Far East J. Appl. Math., 27(1): 45-64 , 2007
3	Singh, K. and Kumar, V. , " Displacement field due to a rectangular tension crack in a half -space in welded contact with another half-space, Journal of Vibration and Control, 14(3):437-446 ,2008
5	Gupta D., Goyal, K. V. , and Mittal H., "Comparative study of soft computing techniques For Software quality Model", International Journal of Software Engineering Research and Practices, Vol. 1(1), 33-37, Jan. 2011(Peer Reviewed referred Journal p-ISSN:2231-2048, e-ISSN: 2231-0320)
4	Kumar, V. , Singh, K., Garg N. R. and Kumar D., "Displacement and stress fields produced by compensated linear vector dipole in a viscoelastic half-space in welded contact with another elastic half-space", Far East J. Appl. Math.,71 (2), 79-106, 2012
6	Kumar, V. , Saluja, H. and Kumar D., "Static fields produced by point sources in Porous Media", Far East J. Appl. Math., 63, Issue 2, Pages 73 - 80 , 2012
7	Gupta, D., Kumar, V. and Mittal, H., "Analysis of Clustering Techniques for Software Quality Prediction", 2012 Second International Conference on Advanced Computing & Communication Technologies, IEEE Computer Society., 1-9, 2012
8	Goyal, V. and Jain, A., "Creating Web Services from Legacy Code", IJCA Proceedings on National Conference on Advancement of Technologies - Information Systems & Computer Networks (ISCON - 2012) ISCON(1):21-23, May 2012. Published by Foundation of Computer Science, New York, USA.
9	Goyal, K. V. and Jain A, "Service-Oriented Modeling – An Analytical Study", Int. J. Engg. Sc. & Adv. Tech. (IJESAT), 2(4) , 946 – 950,2012(ISSN: 2250-3676)
10	Kumar, V. and Jain, A., " Role of webservices in migration of legacy system to service oriented architecture", Special Issue of International Journal of Computer Science & Informatics (IJCSI) Vol.- II, Issue-1, 187-190,2012, ISSN (PRINT) : 2231-5292,
11	Goyal, K. V. and Jain, A. "Role of SOA & Cloud Computing in IT Industry",International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 6, 1-5, August - 2012, (ISSN: 2278-0181)
12	Saini, S., Gupta, D. and Goyal, V. K. , "A Survey on VANET Security Model", IJMRS's International Journal of Engineering Sciences, Vol. 02, Issue 01, March 2013 ISSN: 2277-9698

13	Arora, N., Gupta, D. and Goyal, V. K. , "A Review on Effect of Neural Network for Prediction of Software Reliability", IJMRS's International Journal of Engineering Sciences, Vol. 02, Issue 01, March 2013, ISSN: 2277-9698
14	Anand, A., Gupta, D. and Goyal, V. K. , "Measure Software Reliability Using G.E.P: A Review", IJMRS's International Journal of Engineering Sciences, Vol. 02, Issue 01, March 2013, ISSN: 2277-9698
15	Gupta, D., Kumar, V. and Mittal, H, "Estimating of Software Quality with Clustering", 2013 Third International Conference on Advanced Computing & Communication Technologies, IEEE Computer Society., 20-27, 2013

Research paper published in Conference Proceedings

1	Kumar, V. , "Optimization Techniques for On- Demand Routing Protocols in Mobile- Adhoc Networks", IEEE Sponsored International Conference on Recent Applications of Soft Computing in Engineering & Technology (RASJET-07) Organized by IET, Alwar. (Rajasthan), 22-23 Dec., 2007
2	Kumar, V. , "Development & Optimization of ANN Model For Indian Currency Exchange Rate Forecasting", IEEE Sponsored International Conference on Recent Applications of Soft Computing in Engineering & Technology (RASJET-07) Organized by IET, Alwar. (Rajasthan), 2007
3	Kumar, V. , "Improvements in AODV &DSR Protocols", All India Conference on Advances in Communication, Computers, Control & Knowledge Management (ACCC-KM) (IEEE Sponsored)) Organized by PDM College of Engineering, Bhadurgarh, (Haryana), 2008
4	Kumar, V. , "Use of Fuzzy Logic in Software Development Process", All India Conference on Advances in Communication, Computers, Control & Knowledge Management (ACCC-KM) (IEEE Sponsored)) Organized by PDM College of Engineering, Bhadurgarh, (Haryana), 2008
5	Goyal, K. V. ,Gargi R. and Ahuja R., "Security in Adhoc Networks", 3rd National Conference on Innovative Developments in Engineering Applications (IDEA-08) (ISTE Sponsored) Organized by BGIET, Sangrur (Punjab.), 164-168 , 14-15 March, 2008
6	Goyal, K. V. ,Ahuja R. and Garg S. "Steganography - Secure Transmission using Image & Audio", 3rd National Conference on Innovative Developments in Engineering Applications (IDEA-08) (ISTE Sponsored) Organized by BGIET, Sangrur (Punjab.), 19-22,14-15 March, 2008
7	Gargi R., Goyal, K. V. , Kumar S., and VermaA., "Empirical Study of Current Wireless Technologies.3rd National Conference on Innovative Developments in Engineering Applications (IDEA-08) (ISTE Sponsored) Organized by BGIET, Sangrur (Punjab.),134-138, 14-15 March, 2008
8	Gargi R., Goyal, K. V. , and Singh G. "Fault Tolerance for Design Faults", 3rd National Conference on Innovative Developments in Engineering Applications (IDEA-08) (ISTE Sponsored) Organized by BGIET, Sangrur (Punjab.),94-97, 14-15 March, 2008
9	Goyal, K. V. , Garg, R., Garg, S. and Gupta U., "The Application of Fuzzy Control Strategy in Servo Feed Control of Wire Electrical Discharge Machining", National Conference on Futuristic Trends in Engineering & Technology (FTET-08) Organized by J.C.D.M College of Engineering, Sirsa (Haryana), 311-313, 28-29 Jan., 2008.

1 0	Goyal, K. V. , Garg, R., Garg, S. and Gupta U., "Expanding Opportunities by Converging Networks", National Conference on Futuristic Trends in Engineering & Technology (FTET-08) Organized by J.C.D.M College of Engineering, Sirsa (Haryana), 297-299, 28-29 Jan., 2008.
1 1	Goyal, K. V. , Garg, R., Garg, S. and Gupta U.,, "DS-CDMA: Multiple Access Scheme for Broadband Wireless Communication", National Conference on Futuristic Trends in Engineering & Technology (FTET-08) Organized by J.C.D.M College of Engineering, Sirsa (Haryana), 332-335, 28-29 Jan., 2008.
1 2	Kumar, V. , "Software Quality estimation Models: A comparative Analysis", Proc. of the international conference on Advance Computing and Communication Technologies, 2011
1 3	Kumar, V. , "Business Process Reengineering : An Analytical Study", Proc. Of the international conference on Role of Management & Technology in shaping India as a developed nation by 2020, 232-236, April 29, 2011
1 4	Gupta D. and Kumar, V. , "Optimization of performance evaluation parameter of routing protocols", National Conference on ACCT-10,44-45, 25-26 June 2010
1 5	Kumar, V. ,and Gupta D. "Metrics Thresholds and Fuzzy C-Means based fault predictions of unlabeled software models, National conference on advances in Computational Intelligence , 9th July, 2011
1 6	Kumar, V. , "Secure transmission using image and text-steganography", International conference on challenges and development in IT, 30 May, 2008 organised by punjab College of technical education, Baddowal, Ludhiana
1 7	Kumar, V. and Jain A., " Digging Deep into Legacy System", Proceedings of the 2nd National Conference on Information Technology For Business Transformation (ITBT' 2011); November 4-5, 2011 at Ajay Kumar Garg Engineering College, Ghaziabad
1 8	Kumar, V. and Jain A., "Business Process Reengineering : An Analytical Study", Proc. Of the international conference on Role of Management & Technology in shaping India as a developed nation by 2020, 232-236, April 29-30, 2011 at TMU Moradabad(UP).
1 9	Kumar, V. and Jain A, "Service Oriented Architecture and its concept unleashed,Proceeding of international conference on Advances in Modelling, Optimisation and Computing (AMOC-11), Dec. 5-7,2011.
Research publications (Books)	
1	A Text Book of Discrete Mathematics, IK international Publishing House Pvt. ISBN 978-93-80026-76-3.
2	A Text Book of Engineering Mathematics-II, Vayu Education of India. ISBN 978-93-80097-00-8
Refreshar Course	
1	Short term program on LINUX conducted by Computer Science Department from 21/11/2005 to 25/11/2005 in NITTR Chandigarh.
2	Attended two-week workshop sponsored by AICTE held at Jind Institute of Engg. & Tech., Jind , Dec 1-12, 2003

Paper presented in conferences	
1	Kumar, V. and Singh, K., "Deformation due to a rectangular tension crack in a half-space in welded contact with another half-space", National Conference on History of Mathematics and Recent Developments Organized by Deptt. Of Mathematics, MDU, Rohtak, 2006
2	Kumar, V. and Singh, K., "Displacement field due to a tensile dislocation in two half- Spaces", 9th Annual Conference of Gwalior (M.P) Academy of Mathematical Sciences (GAMS) and All India Workshop on Mathematical Modeling & Computer Simulation Organized by Institute of technology & Management, 2004
3	Singh, K. and Kumar, V., "Deformation of two welded half-space due to centre of explosion", 9th Annual Conference of Gwalior (M.P) Academy of Mathematical Sciences (GAMS) and All India Workshop on Mathematical Modeling & Computer Simulation Organized by Institute of technology & Management, 2004
Conference Organized	
1	One Day National conference on Advancements in Mechanical Manufacturing Methods was organized on 16 th March, 2013 at Haryana Institute of Technology, Asodha, Bahadurgarh