

CURRICULUM VITÆ

1. PERSONAL INFORMATION

Name in Full:

Ravi Krishnarao Jade

2. PARTICULARS OF EDUCATIONAL QUALIFICATIONS

Sl. No.	Degree Obtained & Branch / Specialization	Name of the University/Institute	Year of Passing	% of Marks/ CGPA	Class/ Division
1.	B.E. (Mining Engg)	Nagpur University	1997	73.28%	I
2	M. Tech (Opencast Mining)	Indian School of Mines Dhanbad	1999	89.20%	I st Distinction
3	PhD	IIT Kharagpur	2008	-	-

3. PARTICULARS OF EXPERIENCE

i) Teaching Experience : <input type="text" value="12"/> years					
Sl. No.	Name of the organization	Designation	Date of Joining	Date of leaving	Last Pay Band and Grade Pay*
1	Anna University Chennai	Senior Lecturer	15-12-2003	11-05-2009	8000-275-13400
2	National Institute of Technology Raipur	Asst Professor	20-05-2009	On Job	15600-38000 (PB3)
ii) Research Experience: <input type="text" value="Nil"/> ars					
Sl. No.	Name of the organization	Designation	Date of Joining	Date of leaving	Last Pay Band and Grade Pay*
iii) Industry Experience: <input type="text" value="Nil"/> ars					

5. SOFTWARE SKILLS-

ANSYS, CFX, AUTOCAD, FLUENT, ArcGIS, ERDAS IMAGINE, GeoSlope3D, Blastware, MatLab, Surfer, DATAMINE

6. LIST OF PUBLICATIONS

S. No.	Papers in journals
International Journals	
1.	Temporal Changes due to Mining in Khetri Copper Complex, Rajasthan, R. K. Jade & Sunita, Procedia Earth and Planetary Science, ISSN: 1878-5220, Published by Elsevier, Vol. 11 (2015), 171–177.
2.	Classification using Neural Network & Support Vector Machine for Sonar dataset, Ravi K Jade , L.K. Verma, Kesari Verma, International Journal of Computer Trends and Technology- Vol. 4, ISSN: 2231-2803, Issue2- 2013, 116-119
3.	Intelligent Data Mining Techniques For Coal Mining Data, International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 2, Feb. 2013, ISSN: 2278-0181, 1-4
National Journals	

1. M. Pradhan, Ravi Jade and Pankaj Dewangan, "Policy Issues and Reforms needed for growth of Indian Thermal Power sector in an Economical and Eco-friendly way" The Indian Mining & Engineering Journal, Vol. 52, No. 7, July 2013 (ISSN 00195944)
2. Kuz-Ram Model : Limitations and Their Riddance, Dhekne P. Y., Pradhan M., Jade R. K., National Seminar on Sustainable development in mineral and earth resources, SDMinER" , Organised by The Indian Mining & Engineering Journal, N.Delhi, 21-22 June 2014, pp365-369.
3. Jade R.K., Pradhan, M.(2011), "Technological Issues in Implementing of High wall Mining in India", The Indian Mining & Engineering Journal Vol 50, No 04, pp 8-12
4. Flow effects of two-way splits and junctions in mine airways – An experimental and computational approach, R. K. Jade, B. S. Sastry, M. Pradhan, The Indian Mining & Engineering Journal, Vol.50, No. 2, February 2011, 8-13.
5. Optimal Blast Design-A New Approach, Jade R.K., Sen P., Pathak K., Minetech, Jul-Oct.1999, Vol 20, No. 4&5, 54-60

S. No.	Papers in Conference
International Conference	
1.	Dhekne P. Y., Pradhan M., Jade R. K. (2013), "Artificial Intelligence and prediction of Rock fragmentation", International Conference on Mine Planning and Equipment Selection - 2013, Proceedings of the 22nd MPES Conference, Dresden, Germany, 14th – 19th October 2013, 891-898, Dresden, Germany, DOI: 10.1007/978-3-319-02678-7_86, ISBN 978-3-319-02677-0, Springer International Publishing Switzerland.
2.	Detonation Behaviour of Bulk Emulsion Explosives in Watery Blast holes, Manoj Pradhan, & R K Jade, in Performance of Explosives and New Developments , Ed. By Bibhu Mohanty, Vinay Kumar Singh, CRC Press, Chapter on Explosives, explosions and new developments, p. 65, ISBN No-13:978-0-203-38770-2, 2013.
3.	Detonation Behaviour of Bulk Emulsion Explosives in Watery Blast holes, Manoj Pradhan, & R K Jade, Tenth International Symposium on Rock Fragmentation by Blasting, Fragblast 10, New Delhi, 24-25 Nov 2012.
4.	Wind Power Generation using Mine Fan Exhaust Air – An Approach, R. K. Jade, P. Balamadeswaran, K. Srinivas, K. V. Shanker, Ninth International Mine Ventilation Congress, N.Delhi, Nov. 11-13 2009.
5.	An Experimental and Numerical Study of Two-way Splits and Junctions in Mine Airways, Jade R. K., Sastry B.S., 9-11 June 2008, 12 th International US Mine Ventilation Symposium, Reno, Nevada, USA, 471-476.
6.	Prediction of Shock loss at splits in mine roadways – a computational and experimental assessment, R.K. Jade, B.S. Sastry, 10 th US/ North American Mine Ventilation Symposium, 16-19 May 2004, 471-478, Anchorage, Alaska, USA.
National Conference	

1. Decision Support System In Sustainability Assessment Of Mining, Manju Pandey, R. K. Jade, Tamrakar S., National Seminar on Recent Practices and Innovations in Mining Industry - RPIMI 2016, 19-20 Feb 2016, 209.
2. Monitoring Land Use Dynamics Of Opencast Mines Through Remote Sensing, Sunita, R. K. Jade, Manoj Pradhan, National Seminar on Recent Practices and Innovations in Mining Industry - RPIMI 2016, 19-20 Feb 2016, 204
3. Advanced Communication System for Underground Mines, R. K. Jade, Gaurav Pandey, Shashi Prakash, National Seminar on Recent Practices and Innovations in Mining Industry - RPIMI 2016, 19-20 Feb 2016, 103
4. Geological & Geo-mining Investigations in Relation to Sinkhole Subsidence in Underground Coal Mining, A Case study at SECL, Poonam Sahu, Ritesh D Lokhande, Satyabadi Kumar Jena, Ravi K Jade, National Seminar on Recent Practices and Innovations in Mining Industry - RPIMI 2016, 19-20 Feb 2016, 338
5. Evaluating mining landscape and preserving the landscape dynamics in mining industry, Uday Kanzarkar, R. K. Jade, S. R. Tripathi, Technical Paper at Conference on “Environment Management in Coal Mining - sustainable way forward”, New Delhi, 21-22 March 2015, Organized by Bharat Coking Coal Ltd in association with Ministry of Environment & Forests, Climate Change, New Delhi.
6. Pankaj Dewangan, M. Pradhan, Ravi Jade, Punch Mining System: An Eco-Friendly Solution to Exploit High Stripping Ratio Coal Blocks, National Conference on Challenges in 21st Century Mining-Environment and Allied Issues, 19-21 Feb. 2013
7. Policy Issues & reforms needed for growth of Indian thermal power sector in an economical and eco-friendly way, MineTech’12: Golden Jubilee Workshop on Mining Technology, 04-05 May 2012, Bhubhaneswar, 04-05 May 2012, pp78-82.
8. Coal-To-Liquid (CTL) Fuels Technology - Present and Future , R. K. Jade, M. Pradhan , International Conference on “Technological Challenges and Management Issues for sustainability of Mining Industries (TMSMI)”, Organized by NIT Rourkela, 04 to 06 Aug 2011
9. Cost reduction in Mining, M. Solanki, R. K. Jade, P. Y. Dhekne, Golden Jubilee Seminar on “Mining Technology for Sustainable Development”, Raipur, C.G., organized by Indian Mining & Engineering Journal, 18-11-2011
10. Renewable energy strategies for Indian mining sector, Jade R. K., Sastry B.S., National Conference on Emerging Trends in Mining and Allied Industries (ETMAI - 2008), 2-3 February, 2008, organized by N.I.T., Rourkela, 339-344
11. Placer heavy mineral mining – a global perspective, R. K. Jade, B. S. Sastry, M. K. Jain, National Workshop on “Sustainable development of Coastal Placer minerals, Editors – V.J. Loveson & D.D. Mishra, Allied Publishers Pvt. Ltd., 2004, ISBN 81-7764-587-0, 101 – 110
12. Application of geostatistics for heavy mineral placer deposit evaluation, R.K. Jade & B. S. Sastry, National Workshop on “Sustainable development of Coastal Placer minerals, Editors – V.J. Loveson & D.D. Mishra, Allied Publishers Pvt. Ltd., 2004, ISBN 81-7764-587-0, 305-308
13. Research Investigations in Losses at Junctions, R. K. Jade, B.S. Sastry, National Conference on Ventilation, Safety and Mine Environment, 29 November 2001, CMRI, Dhanbad, 48-59.

7. RESEARCH PROJECTS UNDERTAKEN

S. No	Sponsoring Agency	Title of project	Amount of grant	Period	Role
-	-	-	-	-	-

8. SPONSERED PROJECTS UNDERTAKEN

S. No	Organization	Title of project	Amount of grant	Period	Role
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1.	Chhattisgarh Environment Conservation Board (CECB), Chhattisgarh	Preparation of drainage pattern of Ganga River basin for Chhattisgarh State	Rs. 24,71,920/-	2015-16	Co-Investigator
2.	Jamul Cement Works Limestone Mine, A.C.C. Ltd.,	A Report On Scientific Study For SME Trial Blasts And Ground Vibration Monitoring at Jamul Cement Works Limestone Mine	399000=00	2015-16	Co-Investigator
3.	Lafarge India Pvt. Ltd., Arasmeta Cement Plant, Gopalnagar, C.G.	Optimization of blast design parameters at Kirari Limestone mine and ground vibration monitoring	337080=00	2015-16	Co-Investigator
4.	Century Cement Limestone Mine, Baikunth	Establishment Of Ground Vibration Predictor Equation	224720=00	2014-15	Investigator
5.	Chhattisgarh Mineral Development Corporation, Raipur	Assessment of Strength Properties of Coal Measuring Rocks,	301671=00	2011-12	Co-Investigator
6.	M/S KSK Mahanadi Power Company Ltd, Akaltara	Monitoring of Blast Practice and Controlled Blast Designing for the Construction of KSK Mahanadi Power Plant, , 2010-11	220600=00	2010-11	Co-Investigator
7.	Century Cement limestone mine, Baikunth	Establishment of Ground vibration predictor Equation	110300=00	2010-11	Investigator
8.	M/S South Eastern Coalfields Ltd. Sohagpur Area,	Study of Effect of Blast Induced Ground Vibrations on Structure Near Dhanpuri & Amlai OCP	110300=00	2009-10	Co-investigator
9.	Century Limestone Mine, Baikunth	Establishment of Ground Vibration Predictor Equation	110300=00	2010-11	Co-Investigator
10.	M/S Fatehpur East Coal Company, Raipur	Assessment of Strength Properties and Elastic Behavior of Coal Measuring Rocks	179238=00	2009-10	Investigator
11.	M/S Shreeram Gemicom Pvt Ltd., Bilaspur	Assessment of Strength Properties and Elastic Behavior of Coal Measuring Rocks	190819=00	2010-11	Co-Investigator

12.	M/S Shreeram Gemicom Pvt Ltd., Bilaspur	Assessment of Strength Properties and Elastic Behavior of Coal Measuring Rocks	161590=00	2010-11	Co-Investigator
13.	M/S Shreeram Gemicom Pvt Ltd., Bilaspur	Assessment of Strength Properties and Elastic Behavior of Coal Measuring Rocks	160487=00	2010-11	Co-Investigator
14.	M/S Sharda Minerals, Kawardhi OCP	Assessment of Strength Properties and Elastic Behavior of Coal Measuring Rocks	121330=00	2008-09	Co-Investigator
15.	M/S Soth Eastern Coalfields Ltd., Rajendra Sub Area, Sohagpur	Assessment of Strength Properties of Coal Measuring Rocks	111955=00	2009-10	Co-Investigator
16.	M/s SCCL, Andhra Pradesh	Study of Ventilation Network at GDK No. 5 Incline, SCCL	4,50,000=00	2005-07	Co-Investigator
17.	M/s SCCL, Andhra Pradesh	Study on Impact of Deep Hole Blasting Induced Vibrations on the Proposed Water Dams in GDK-9 Incline, SCCL	2,50,000=00	2005-07	Co-Investigator

9. SHORT TERM COURSES/WORKSHOPS/SEMINARS ORGANIZED

Organization	Title of the program	Period
Worked as a member of Editorial Board and Organizing Committee	National Seminar on Recent Practices and Innovations in Mining Industry, Raipur	19-20 Feb 2016
Worked as a member of Organizing Committee	National Golden Jubilee Seminar, Mining Technology for Sustainable Development, Raipur Chhattisgarh, Indian Mining & Engg Journal	18-19 Nov. 2011
MEAI, TN Chapter, Chennai	Colloquium on Mineral Potentialities of Tamil Nadu & Kerala – A Macro level review with a thrust on XI Five-year Plan	13-Oct-2006
MEAI, TN Chapter, & Anna University, Chennai	National Seminar on “Exploration, Mining & Mineral Beneficiation: A road map to vision 2020”	20-21 May 2005

10. SHORT TERM COURSES/SEMINARS CONFERENCES ATTENDED

Organization	Title of the program	Period
National Remote Sensing Centre, Hyderabad	Hyperspectral Remote Sensing	27 April – 31 April 2015
Department of Mining Engineering, NITK, Surathkal	International Conference on “Global Challenges and Policy Framework for Mining of Mineral and Fossil Energy Resources (GCPF: 2015-20)	17-18 April, 2015
Indian Institute of Remote Sensing, Dept of Space, GOI.	RS & GIS Applications in Geosciences	05 May-27 June 2014

NIT Raipur & CGCOST	Academic Ethic and IPR	04-05 April 2014
CCEM Raipur, Chhattisgarh	National Conference on 'Emerging trends of GIS and Remote Sensing in Modern Engineering'	Sept 14-15 2014
NIT Raipur	"Deployment and collaboration of analytical reports and models", 01-02-2013, NIT Raipur & Predictive Analytics	01-02-2013
NIT Raipur	Statistical & Analytical research using Mathematica	19-02-2013
NIT Raipur	"Technical Launching of Environmental Issues", Dept of Biotech and Chemistry, NIT Raipur	26-30 June 2013
NIT Raipur	"Ebooks in Libraries"	15-17 Nov 2013
Dept of Electronics, NIT Raipur	"Mathematical Modeling, Chemoinformatics and quantum environment"	19-Feb-2013
MCA Dept, NIT Raipur	Cloud Computing	July 20-21, 2013
Academic Staff College, R.S.U., C.G.	Measuring Research output with scientometrics and bibliometrics	22-24 Sept 2013
NIT Raipur	Convergence of Technology, Management and Global Business	Dec. 20, 2011
NIT Raipur	"NIT Curriculum Development", Dept of Mining Engg, NIT Raipur, 20 May 2011	20-05-2011
T & P Dept, NIT Raipur	Communication and Soft Skills, Infosys Leadership Institute	28-30 Aug 2009
NIT Raipur, EDAGE Business School	Management of Hazardous Waste	21-22 Aug 2009
T & P Dept, NIT Raipur	Mentoring Youth and Adolescents	17 May 2007
MEAI, TN Chapter, Chennai	Effective Teaching	16 March 2006
CPDE, Anna University Chennai	Mineral Potentialities of Tamil Nadu & Kerala – A Macro level review with a thrust on XI Five-year Plan	13-Oct-2006
AICTE , Dept of Mining Engg, IIT Kharagpur	Reengineering Teaching Skills	9-11 May 2005
Dept of Humanities, Anna University Chennai	Geostatistical Models in Grade Control	5-9 Sept. 2005
CPDE, Anna University Chennai	Reengineering Teaching Skills	3-4 March 2004
CPDE, Anna University Chennai	RDBMS with Oracle and Java JDBC	18 June - 04 July 2001
I.I.T., Kharagpur	Short term course on 'Geostatistical Models in Grade Control'	Sept. 5 to Sept. 9, 2005 (One Week)

11. PROFESSIONAL TRAINING RECEIVED

Professional Body	Brief on training	Period
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12. MEMBERSHIP OF PROFESSIONAL BODIES

Professional Body	Member no./ID	Remarks
Mining, Metallurgical and Geological Institute of India, Kolkata		Life Member
International Society of Rock Mechanics, New Delhi, India	---	Member since 2013
MINING ENGINEERS' ASSOCIATION OF INDIA	2446	Life Member

13. OTHER INFORMATION

1. Paper Reviewer /Editor

- Reviewer of Technical publications, articles, papers for the Journal of Institution of Engineers (India).
- *Editor of Proceedings of RPIMI-2016*
- *Editor of Proceedings of MineTech-2011*

2. Development of Laboratory/ Courses

- Development of mining environmental lab through purchase of new equipments, installations of setups, initiation of experiments and audit project work.
- Mining Environment Laboratory Manual

3. Curriculam Design

- Development of Curriculum for B.Tech Mining Course of All India NIT (Member)
- Development of Curriculum for B.Tech Mining Course of NIT Raipur (Member)

4. Contribution to the Institute Development:

- 1) Prof-Incharge, SAHYOG, From 2013-09-01 to 2014-09-27
- 2) Prof-Incharge, TECHNOCRACY, 2012-09-01 to 2013-09-01
- 3) NIT Examination Cell, DY CONTROLLER EXAMS, 2011-09-01 to 2014-04-30
- 4) Faculty Incharge, RESEARCH AND CONSULTANCY, since 2009-07-01
- 5) Convenor, Departmental Grievance Committee
- 6) Convenor, Departmental Academic Committee
- 7) Contributing to Institute during Convocation, Admissions, Anti-Ragging, Purchase, Stock Verification, Student's activities, etc.

5. Expert Lectures:

09-02-2012	Workshop on "Mathematics & Statistical Applications in Ground water Studies", Rajiv Gandhi Institute of Ground Water Studies, Raipur, C.G.	<u>Two Presentations on</u> - 1. "Introduction to Geostatistics & Krigging" 2. "Hands on Training of Kriging tool"
2012	Workshop on "Statistics in Ground water research", Rajiv Gandhi Institute of Ground Water Studies, Raipur, C.G.	<u>Two Lectures -</u> 1. "Basic Geostatistics & Introduction to Krigging" 2. "Hands on Training of Surfer"
18-	One-day Seminar on "Productivity and Innovation	Two Lectures on

02-2013	for Sustainable Development”, 18-02-2013, SECL, Bilaspur	<ol style="list-style-type: none"> 1. “Productivity Measures for industrial development” 2. “The Curious Case of Productivity challenges in Australian mining industry”
26-30 June 2013	Short Term Course on “Technical Launching of Environmental Issues”, Dept of Biotech and Chemistry, NIT Raipur	One Lecture on “Environment Cost Management”

6. PhD Research Guidance: Guiding three research scholars