

CURRICULUM VITAE

SANDEEP PANCHAL

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EDUCATION

Degree	Branch	University/Institution	Year	% of marks	Division
B. E.	Mining Engineering	CTAE, MPUAT, Udaipur	2006	66.10	1 st
M. Tech	Mining Engineering	IIT Kharagpur	2008	88.10	1 st

RESEARCH INTERESTS

Rock Mechanics & Ground Control, Numerical Modeling, Backfilling of mine void

SOFTWARE SKILLS

- **Software package:** ANSYS 8.0, DATAMINE 2.0, BLASTWARE-III, Fraglyst, ERDAS IMAGINE 8.5, Geomedia Professional, Microsoft Office, SPSS
- **Operating system:** Windows, Mac OS X, LINUX
- **Programming language:** C

WORK EXPERIENCE

Organization	Designation	Period
VNIT, Nagpur	Assistant Professor	July, 2008 till present

SHORT TERM COURSES/WORKSHOPS/SEMINARS ORGANIZED

Organization	Title of Program	Period
VNIT, Nagpur	National workshop on Blasting, Explosive Technology and Safety in Mining & Infrastructure Development	3-5 December, 2009

SHORT TERM COURSES/SEMINARS/SYMPOSIUMS/ CONFERENCES ATTENDED

Organization	Title of Program	Period
VNIT, Nagpur	Research methodologies and opportunities	11-15, May, 2009
VNIT, Nagpur	Beyond chalk and talk –New age pedagogy	13-17, July, 2009
DGMS & SCCL	Underground Coal Mining “ The Future of Overground lies Belowground”	28, Aug, 2010

I.T. BHU, Varanasi	Rock Mechanics and Ground Control	27 June - 2 July,2011
ESCI, Hyderabad	Advances in Drilling and Blasting Technologies and Practices	22 -28, Aug,2011
IIT Kharagpur	34 International Conference of safety in Mines Research Institute	7 -10, Dec,2011
National Instruments Corporation, Bangalore	LabVIEW-Customized Training	21 -24, Aug, 31 Aug, & 1 Sept ,2012
IIT Bombay	'Research Methods in Educational Technology' under National Mission of Education through ICT (MHRD, Govt. of India)	2 & 9, Feb, 2013
VNIT, Nagpur	Nanotechnology applications in Engineering & Technology	15-17, Feb, 2013
Indian Institute of Mineral Engineers, IIT Bombay & TCS	International Seminar on 'Mineral Processing Technology (MPT 2016)'	5 – 7, Jan, 2016

INVITED LECTURES/SHORT COURSES OFFERED FOR INDUSTRY/ACADEMIA

Organization	Title of Program	Period
WCL, Nagpur	'Three-day Functional Skill Updation Training Programme' for the Executives of solely Survey Discipline working at the mines	24 - 26, Sept, 2012
WCL, Nagpur	Industry Academia Interface intervention workshop on 'Advances in Methods & Technologies in Coal Mining', a collaborative workshop	16 - 17, Oct, 2012

SPONSERED PROJECTS UNDERTAKEN

Organization	Title of Project	Period	Role
WCL, Nagpur	Human resource development of WCL	February, 2010	Co-investigator
Pawan Putra Buildcon Pvt Ltd	Ground vibration due to Blasting in Pachgaon Quarry	July, 2010	Co-investigator
Hira Power And Steels Ltd	Ground vibration and fly rock due to blasting in Sangam Mines	January, 2011	Co-investigator
K.P. F. Pvt Ltd	Ground vibration investigation of Palaspani Dolomite Mine	January, 2011	Co-investigator
MOIL	Ground vibration and fly rock investigation	2011-12	Co-investigator

WCL, Nagpur	Human resource development of WCL	2011-12	Co-investigator
WCL, Nagpur	Human resource development of WCL	2012-13	Co-investigator

MEMBERSHIP OF PROFESSIONAL BODIES

Professional Body	Remark
Mining Engineer's Association of India (MEAI)	Life time membership
International Society for Rock Mechanics (ISRM)	Individual membership for year 2016

AWARDS AND HONORS

- (i) TAMOTIA AWARD: Best paper award on 'Environmental issues related to mineral processing' at International Seminar on Mineral Processing Technology (MPT-2016), 5-7 January, 2016, Pune, India
- (ii) GATE- Scholarship (2006-2008) during M.Tech, Mining Engineering, IIT Kharagpur, India
- (iii) QIP -Scholarship (2013-2016) during Ph.D (ongoing), Mining Engineering, IIT Kharagpur, India

LIST OF PUBLICATIONS

- i) Panchal S., Deb D., T. Sreenivas, Rajan K. C., Acharya D., Parhi P. K. and Rao K. K. (2016). Evaluation of carbonate rich process tailings for uncemented paste backfill in underground mines [Abstract]. *International Seminar on Mineral Processing Technology, (MPT-2016), 287-288*
- ii) Panchal S., Jain S., Deb D. and T. Sreenivas, (2016). Development of 3D analytical solution of earth pressures using cemented paste backfill for supporting underground stope. *EUROCK 2016 - Rock Mechanics & Rock Engineering : From Past to the Future. In Press.*

REFERENCES

- i) Dr. Debasis Deb, Professor, Mining Engineering Department, IIT Kharagpur – 721 302, India
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- ii) Dr. K.U.M. Rao Professor, Mining Engineering Department, IIT Kharagpur – 721 302, India
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