

HIGHLIGHT OF CAREER ACHIEVEMENTS

Dr. Partha Sarathi Paul

PhD (B.E.S.U., Shibpur), M.E., B.E.

Dr. Paul Joined the Institute in 2007

- Designation** : Assistant Professor
- Organisation** : Indian School of Mines, Dhanbad
- Specialization** : **Mine Safety Engineering and Disaster Management, Injury Epidemiology. Human Factors and Mine Ergonomics,**
- Research Interest** : **Mine Safety Engineering and Disaster Management, Injury Epidemiology. Human Factors and Mine Ergonomics, Opencast Mining, Mechanical Cutting Machine and Drilling & Blasting**
- Responsibilities** : **Teaching:**
1. Mine Legislation & Safety
 2. Mine Development
 3. Advance Opencast Mining
 4. Mine Ventilation
 5. Mine Environmental Engineering
- Administrative:**
1. In charge – Computer Aided Mining Planning & Design
 2. Teacher-in-charge, Departmental Time Table
 3. Teacher-in-charge, Gas Testing Examination
 4. Member, Central Library Committee
 5. Member, Implementation of Departmental Course Structure

Educational Qualification:

Sl. No.	Degree	Subject	Board/ University	Year	Division /Class
1.	S.E.	General	W.B.B.S.E	1992	First
2.	H.S.	Pure Science	W.B.C.H.S.E.	1994	First
3.	B.E.	Mining	B.E. College (Deemed University)	1999	First
4.	M.E.	Mining	B.E. College (Deemed University)	2001	First
5.	Ph.D. in Engineering	Mining (Mine Safety)	Bengal Engineering and Science University, Shibpur	2006	---

Employment: (particular of my past and present position (s))

Employer	Position held	Date of Joining	Date of Leaving	Pay with Scale of pay	Total Experience
B. E. COLLEGE (D.U).	PROJECT FELLOW	02.07.2001	13.08.2002	RS. 3,600/- (Consolidated)	1 Year 1 Month
BENGAL ENGINEERING AND SCIENCE UNIVERSITY, SHIBPUR	INSTITUTE Ph.D. SCHOLAR	14.08.2002	13.08.2005	RS. 5,000/- (Consolidated)	3 Years
IIT KHARAGPUR	RESEARCH ASSOCIATES (CSIR-INDIVIDUAL)	03.04.2006	25.10.2006	RS. 11,000/ (Consolidated)	7 Months
WIRTGEN INDIA	ASSISTANT PRODUCT MANAGER	06.11.2006	31.12.2006	Basic- Rs.9,000/- Gross-Rs. 25,000/	2 Months
I. S. M. UNIVERSITY, DHANBAD	SR. LECTURER	16.03.2007	Continuing	10,000 – 325 – 15,200	2 Years (as on 15.03.2009)

Project/ Thesis

- Research Associateship sponsored by Council of Scientific and Industrial Research, India

(Post Doctoral Research)

An Application of Epidemiological Modelling of Underground Hazards – Role of Mine, Miner and Management Characteristics on Accident/Injury in Mines

- PhD
Mine Safety Management – The Synergic Role of Personal and Sociotechnical Characteristics on Work Injuries in Mines

(The general objective of the thesis is to develop the statistical indices for proper understanding of the Personal and Socio-technical factors leading to accident that may help to improve the personal safety of mine workers. The risk of occupational injuries to workers through the application of multivariate statistical models in mine accident evaluation and prevention has also been evaluated in this study.)

- IN M.E.
Evaluation of Work Posture and Workload Related to Different Operations in Underground Coal Mining

(The Thesis mainly gives stress on postural related study in underground coal mines. The main focus was given on energy expenditure calculation for the miners of different mining

operations and workload for the respective mining operations was also assessed to identify the nature of work.)

□ IN B.E.

A Critical Study on Blasting Design for Indian Coal Mines

(An attempt was made to focus on a different blasting design including some innovative methods, which are being gainfully utilizing in various coal mines. A thorough study was made on the blasting mechanics; blasting performance including controlled blasting technique enriched the project.)

Teaching Experience before joining to this Institute:

1. Dr. Paul took undergraduate and postgraduate classes (13 hours classes per week) in the Dept. of Mining and Geology, B.E. College (D.U.) from July, 2003 to June, 2005 (**2 Years**) during his studies for Ph.D.

Organizing of Seminar/Symposium/ Workshop:

1. Organised the 19th National Convention for Mining Engineers and National Seminar on **DISASTER IN MINES** held on March 10-11, 2008 as **Co-convener** in association with Mining Engineers Division, Dhanbad Local Centre, The Institute of Engineers (India).

Projects/Consultancy/ Training Programmes

1. Members in different Consultancy Projects on Mechanical Rock Cutting, Blasting, and Mine Ventilation.
2. Took several classes for Executive development Programme on Mine safety, Mine ventilation, Mechanical rock cutting and Drilling & Blasting.

Awards:

- Awarded of Research Associateship CSIR (Individual Scheme), India, in 2006
- Passed Graduate Aptitude Test in Engineering (GATE) in 1999.

Membership:

- Associate Member of Mining, Geological and Metallurgical Institute of India (MGMI)

Software Skills:

Language: C, Basic, FORTRAN 77

Operating System: Windows 95 / 98 / 2000 / XP

Tools: Microsoft Office, SYSTAT, SPSS 10, LISREL 8.3

Publications: Total 11

Journals

International refereed Journals : **05** (Two papers in Elsevier journals, two in Taylor & Francis journals, and one in SAIMM)
National refereed Journals : **03**

Conference/seminar/symposium

International Conference : **01**
National Conference (India) : **02**

Books (Edited): 01 (Proceedings Volume on “Disaster in Mines”)