


Detailed Bio Data			
Name of the faculty	Dr. Deepak Amban Mishra		
Designation	Assistant Professor		
Department	Geology		
Date of Joining the Institute	04-09-2017		
University / Institute	UG	PG	Ph.D. (Title)
	North Orissa University	Sambalpur University	Title: Evaluation of uniaxial compressive and indirect tensile strengths of granite, schist and sandstone by index tests and microstructural analysis. Institute: Department of Geology and Geophysics, Indian Institute of Technology, Kharagpur
Total Experience in years (Post Ph.D)	Teaching	Research	Industry
	1 yr 6m	2 year 10 months	
Paper Published	National		International
	1		7
Conference Attended	National		International
	1		2
Details of Research work/Area	Experimental Rock Mechanics/Geology		
Book Published/IPRS/Patents			
Professional Membership	International Society for Rock Mechanics American Association of Petroleum Geologists		
Awards			
Grants Fetched			
Contact Information (Email)	<u>dam.geo@iipe.ac.in</u>		

List of Publications:

1. **Mishra DA**, Basu A (2012) Use of the block punch test to predict the compressive and tensile strengths of rocks. *International Journal of Rock Mechanics and Mining Sciences*, 51, 119-127.
2. **Mishra DA**, Basu A (2013) Estimation of uniaxial compressive strength of rock materials from index tests using regression analysis and fuzzy inference system. *Engineering Geology*, 160, 54-68.
3. Basu A, **Mishra DA**, Roychowdhury K (2013) Failure modes of rock materials under uniaxial compression, Brazilian test condition and point loading. *Bulletin of Engineering Geology and the Environment*, 72, 457-475.
4. Basu A, Behera U, **Mishra DA** (2013) Brazilian and ring tests in assessing indirect tensile strength of sandstone. *Journal of Engineering Geology*, XXXVIII (1), 174-180.
5. Basu A, **Mishra DA** (2014) A method for estimating crack-initiation stress of rock materials by porosity. *Journal of the Geological Society of India*, 84, 397-405.
6. **Mishra DA**, Srigan M, Basu A, Rokade PJ. (2015) Soft computing methods for estimating the uniaxial compressive strength of intact rock from index tests. *International Journal of Rock Mechanics and Mining Sciences*, 80, 418–424.
7. **Mishra DA**, Janecek I (2017) Laboratory triaxial testing – from historical outlooks to technical aspects. *Procedia Engineering*, 191, 342-351
8. Janecek I, **Mishra DA** (2017) Deformational response of rocks to uniaxial, biaxial, and triaxial loading or unloading regimes. *Procedia Engineering*, 191, 332-341.