### **BRIEF CV**

Name& Designation : Dr. Prasoon Kumar Singh

**Address for Correspondence**: Professor

Department of Environmental Science & Engineering Indian Institute of Technology (Indian School of Mines)

Dhanbad-826004 (JHARKHAND)

Email: pks0506@iitism.ac.in; pks0506@yahoo.co.in

**Date of Birth** : 5<sup>th</sup> June 1964

**Area of Specialisations** : Environmental Hydrogeology

Area of Research Interest: Groundwater Quality Assessment & Quantity Management, Environmental

Geochemistry, Environmental Hydrogeology, Remote Sensing & GIS Application in Environmental Management, Noise Pollution, Soil Quality

Assessment

### **Educational Qualifications:**

Examination	Branch/ Specialization	College/ University /Institute	Year	Percentage/Grade	Class/ Division
Matriculation	Mathematics, Science	B.S.E.B., PATNA	1980	66.3%	$\mathbf{I}^{\mathrm{st}}$
M.Sc.	Geology	Patna University, Patna	1989	76.4%	I <sup>st</sup> (GOLD MEDALIST)
M.Tech.*	Environmental Science & Engineering	Indian School of Mines, Dhanbad	1994	77.6%	I <sup>st</sup>
Ph.D.**	Geology	VinobaBhave University, Hazaribag	2005	AWARDED	Passed

<sup>\*-</sup> NOISE POLLUTION IN CEMENT PLANT AND ITS CONTROL MEASURES – A CASE DISCUSSION (Guide: Prof. A. K. Pal, Retd. Professor / CME/ISM, Dhanbad).

### **Awards/ Honours:**

 Nominated as the Chairman of the Technical Committee for the Accreditation Scheme for Prospecting Agency (APA) and Mining Plan Preparing Agency (MPPA) by NABET-QCI, Ministry of Commerce and Industry (MoCI), Government of India since 14th January 2025.

<sup>\*\*-</sup> GEO-ENVIRONMENTAL AND HYDROGEOLOGICAL INVESTIGATIONS AROUND MINING AREAS NEAR KHUDIA RIVER IN DAMODAR BASIN. (Guide: Prof. Rajeshwar Singh, Retd. Professor, Department of Geology, VBU, Hazaribag (Email: singhrajeshwar101242@gmail.com)

- Secured **FIRST POSITION in First Class** in M. Sc. (Geology) Examination. (1989)
- Received **PRIZE BOOK AWARD** for securing TOP POSITION in the M.Sc. Examination. (1989)
- **BEST PAPER AWARD** in ENVIRONMENTAL IMPACT & RISK ASSESSMENT topic at NEERI, Nagpur. (1995)
- Nominated **EXPERT MEMBER** of The District Environmental Appraisal Committee, (DEAC) For Dhanbad District, Jharkhand by MOEF & CC, New Delhi. (2017)
- Recognized as a FUNCTIONAL **AREA EXPERT** in the field of GEOLOGY, LANDUSE & HYDROGEOLOGY by NABET, QCI (2017)
- Nominated **EXPERT MEMBER** of "Environmental Clearance for Sustainable Sand Mining and Mining of Minor Minerals" by MOEF & CC, New Delhi (2018)
- Nominated as **QUESTION PAPER SETTER** of the subjects ENVIRONMENTAL SCIENCE & GEOLOGY by UPSC, New Delhi (2012, 2015,2017,2019)
- Honored as a **SESSION CHAIR PERSON** in the International Conference at NATIONAL UNIVERSITY OF SINGAPORE, SINGAPORE (2019) **5th International Conference on Environment and Bio-Engineering (ICEBE 2019**) Held at National University of Singapore, Singapore from January 7 9, 2019.
- Recipient of RESEARCH RATNA AWARD IN ENVIRONMENTAL MANAGEMENT by IJRULA, World Research Council (2019)

### **Professional Experience:**

Worked as JPF, SPF & Scientist-B in Environmental Management Group at CIMFR (CSIR Lab), Dhanbad from 06/09/1993 to 13/02/2007 - (14 Years)

### **Employment Details:**

S.No.	Positions	Name of the	From	To	Pay Scale
	held	Institute			
1	Professor	Dept. of Environmental Science & Engineering, IIT(ISM) Dhanbad,	August, 2023	Till Date	14A Present Basic – Rs. 1,99,900/=
2	Associate Professor	Dept. of Environmental Science & Engineering, IIT(ISM) Dhanbad,	14/02/2010	August, 2023	13A2 Present Basic – Rs. 1,66,700/=
3	Assistant Professor	Dept. of Environmental Science & Engineering, IIT(ISM), Dhanbad,	14/02/2007	13/02/2010	Basic- Rs. 30,000 /= + Rs. 8000/= Grade Pay
4	Scientist-B	Geo-Environmental Division, Environmental Management Group, CSIR-CIMFR, Dhanbad	05/12/2001	13/02/2007	Basic – Rs. 8,000 /= (Fixed In Old Scale)
5	Junior Project Fellow/ Senior Project Fellow	Geo-Environmental Division, Environmental Management Group, CSIR-CIMFR, Dhanbad	06/09/1993	04/12/2001	Rs 1800/=. & Rs 2100/= (In Old Scale)

### **Membership of Professional Bodies:**

- Member of Institutions of Engineers, Kolkata
- Life Membership of Indian Water Resources Society, Roorkee, (LM 2019-7820)
- Lifetime Membership of IJRULA (International Journal for Research Under Literal Access) 2019
- World Research Council (WRC) Membership after receiving RULA AWARD 2019.
- Member of International Association of Hydrological Sciences (IAHS), Institute of Hydrology. Wallingford, Oxfordshire, U.K.; (Membership No. 6094).
- Life Member of the Indian Association of Hydrologists, Roorkee (LM-1663).
- Fellow of The Society of Earth Scientists, Lucknow, (F/272).
- Life Membership of Indian Geological Congress (LM 811).
- Life Membership of the Mining, Geological and Metallurgical Institute of India (MGMI), Kolkata (LM-10211).
- NABET-QCI Accreditation for Preparation of EIA as Functional Area Expert for Geology, Land use & Hydrogeology.
- Life Member of the Indian Water Works Association (LM-8066).
- Online Member of the International Association of Hydro geologists— Indian Chapter (INC-IAH) Membership No.- 142041.

#### List of Ph. D. Scholars Guided:

Sl. No.	Name	Topic of Research	Awarded /Ongoing	Remarks
01	Ruchi Singh	Impact of Mining and Urbanization on Land use and Vegetation Diversity in Angul - Talcher Region, Orissa	Awarded in Feb 2012	Sole Guided
02	Dipanwita Bhagat	Groundwater resources evaluation and its qualitative assessment in Jharia Coalfield region, Jharkhand	Awarded in Feb 2013	Sole Guided
03	Prabhunath Singh	Study of water resources and its management in and around the Ranchi Township area in Jharkhand, India	Awarded in June 2015	Sole Guided
04	Mukesh Kumar Mahato	Quantitative and Qualitative assessment of water resources with contaminant transport modelling of East Bokaro Coalfield Area.	Awarded in Dec 2015	Sole Guided
05	Ashwani Kumar Tiwari	GIS based aquifer vulnerability assessment & Qualitative analysis of water resources in a Coal mining area, Jharkhand	Awarded in Feb 2015	Sole Guided
06	Binay Prakash Panigrahy	Assessment of groundwater level fluctuation with respect to recharge in Jharia coalfield region, Jharkhand	Awarded in Dec 2016	Sole Guided
07	Anjani Kumar	Evaluation of mine water and development of suitable techniques for ascertaining its suitability for proper management in Western Part of Jharia Coal Mining Region, Jharkhand.	Awarded in Feb 2017	Sole Guided
08	Ritu Ranjan Sinha	Evaluation of Infiltration Behavior and Assessment of Water Poverty Index in Dhanbad Municipal Area, Jharkhand, India	Awarded in Feb 2018	Sole Guided
09	Shonam Sharma	Estimation of the Relationship between Trends of Seasonal Rainfall with Aquifer Recharge in Mining Area and the Development of Spatial Seasonality Index	Awarded in Feb 2018	Sole Guided
10	Sujata Upgupta	Impact of Mining and Allied activities on Land use, land cover and Forest vulnerability in East Bokaro Coalfield Region of Jharkhand	Awarded in August 2018	Sole Guided
11	Poornima Verma	Assessment of Hydro-Geochemical Characteristics of Groundwater Resources and Development of Contamination Index for Bokaro District, Jharkhand,	Awarded in Jan 2019	Sole Guided

		India.		
12	Nishi Kant	Eco hydrological effect of landscape pattern and determination of health risk assessment with reference to heavy metals in the drinking water of Jamshedpur Township Area Jharkhand, India	Awarded in January 2020	Sole Guided
13	Deepak Naresh Dhopte	Impact of assessment of water resources on 4behaviour of water pollution parameters in and around industrial areas of Asansol, West Bengal, India.	Awarded in January 2023	Sole Guided
14	Damodar Prasad	Quantitative and Qualitative Assessment of water resources around mine fire &non-mine fire areas in Jharia coal filed, Jharkhand, India	Awarded in January 2023	Sole Guided
15	Shivam Saw	Aquifer Vulnerability Assessment and estimation of groundwater suitability by using different models and development of suitable techniques for management of groundwater resources of Ranchi Township area, Jharhand.	Awarded in January 2024	Sole Guided
16	Deep Shikha	Qualitative Assessment of Groundwater and Soil near Mining and Industrial areas and In Situ Treatment of Contaminated Groundwater and Soil by Suitable Techniques of Bokaro District, Jharkhand, India	Awarded in January 2024	Sole Guided
17	Rohit Patel	A Mathematical and GIS Based Approach for Noise Mapping and Modeling Under Mixed Traffic Condition in Mid-Sized Indian City	Awarded in Feb 2025	Sole Guided
18	Ankesh Kumar	Source identification and prediction of river water pollution and groundwater contamination level by an ensemble Machine Learning techniques along some parts of the Damodar River, Jharkhand, Eastern India	Joined on July 2022	Undergoing
19	Vivek Kumar	Safeguarding Groundwater Quality: Mitigating Threats from Overexploitation and Coal Mining Pollution	Joined on December 2022	Undergoing
20	Arunima Chakraborty	Evaluation and amendment of recent threats of Microplastics in soil matrix, surface and ground water by artificial intelligence and future prediction using cutting edge machine learning approaches	Joined December 2023	Undergoing
21	Shilpy Kumari	Enhanced groundwater remediation and monitoring by integrating plant-based nanoparticles, GIS, and AI/ML.	Joined on December 2023	Undergoing
22	Ritesh Ranjan	Water quality assessment in mining area of Giridih Coalfield.	Joined on December 2023	Undergoing
23	Mamta	Soil-Water interactions and fluoride enrichment in groundwater	Joined on July 2024	Undergoing
24	Khusboo Kumari	Qualitative aspects of surface and groundwater resources near Mining area	Joined on September 2024	Undergoing

## **List of M. Tech. Scholars Guided:**

Sl.	Name	Topic of Research	Awarded
No.			/Ongoing
1	Babu Siddharth Sankar Biswal	Impact of Mining and Ancillary Industry on Environmental Hydrogeology in Angul-Talcher-Meramundali Region of Orissa.	2008
2	Bitthal Upadhyay	Water Demand Management, Forecasting and Qualitative Assessment in and around ISM University	2009
3	Sneha Gautam	Assessment of Aquifer potential of Dhanbad township area and designing of rooftop rainwater harvesting structure in CME campus, ISM	2010

4	Anoj Kumar Choudhary	Identification & assessment of fire affected families in fire prone area of the Jharia Coalfield, Dhanbad district, Jharkhand	2010
5	Ramakant Gadhewal	Computational Fluid Dynamics analysis on Beehive Coke Oven	2011
6	Ravi Makawana	Impact of Mining and Urbanization on Landuse in Jharia Coalfield region	2012
7	Arun Kumar	Assessment of Climatic factors and Water Level Fluctuations in and around ISM Campus.	2012
8	Udit Kumar Sao	Hydrogeological investigation in an around Bastacolla coal mining area, Jharkhand	
9	Ansu Rakesh	Geo environmental studies in an around Singra Mining area of Jharia coalfield using Remote Sensing & GIS	2013
10	Subash Chandra	Evaluation of Hydrogeological Factors their association and relationship with Water Level Fluctuation of Dhanbad District, Jharkhand	2014
11	Meena Kumari	Flow properties of Flyash and its derivatives for their bulk utilization in Mining Sector	2014
12	Supriya Kumari	Impact of Climate Change on Ground Water resources, near IB Valley Coalfield, Jharsuguda, Odisha	2015
13	Isha Medha	Groundwater zone mapping and management through 5ehaviour in the municipal area of Dhanbad District, Jharkhand, India	2015
14	Sumanta Kumar Biswal	Evaluation of Water Quality Pollution Indices for a Part of Bokaro District, Jharkhand, India	2016
15	Nirmalendu Sekhar Misra	Evaluation of Water Poverty Index in an Around Dhanbad-Jharia Urban Area, Jharkhand, India	2016
16	Deepak Kumar	Qualitative Assessment of Tap water of different railway stations under Dhanbad division, and Design of low-cost water treatment methodology	2017
17	Abhijit Debnath	Environmental Traffic Noise Modeling of Dhanbad Township Area- A GIS Based Approach.	2017
18	Shraddha Singh	Quantification of Groundwater Level and its variations in Dhanbad district and development of groundwater flow model.	2017
19	Chirag Chopra	Evaluation of hydro geological factors, water table 5behaviour and characterization of groundwater near Asansol area and development of suitable techniques for conservation	2018
20	Preetam Singh	Recycling of wastewater clothes and their conversation into value added products	2018
21	Shammi Kapoor	Isolation of micro-fine silica from fly ash and its application on different industries	2018
22	Chhavi Jangid	Groundwater Vulnerability Assessment using GIS Based Drastic Model and Solute Transport Model in Dhanbad District	2019
23	Ankit Kumar	Comparative Assessment of Groundwater Quality Based on CCME & NSF WQI Model of Ranchi City & its surrounding Suburban area	2019
24	Praduman Singh	NAPLS (Non-Aqueous Phase Liquids) Contaminations in Aquifer: Beneficiation of Best Available Techniques for Remediation of	2019

		Contamination Sites	
25	Risabh Singh	Environmental Traffic Noise Mapping of Dhanbad city & comparison of Noise levels by Using CRTN Model	2020
26	Brind Yadav	Fluoride and Nitrate contamination in Groundwater and Probabilistic health risk assessment using Monte-Carlo simulation in Gharbar village (Sindri), Dhanbad, Jharkhand, India	2020
27	Zeesan Haider Ali	Assessment of Infiltration behavior and Water Poverty Index in different blocks of Dhanbad, Jharkhand	2020
28	Nikhil B Nidhiri	A GIS based DRASTIC approach for Aquifer vulnerability assessment; Study conducted in the Municipal Corporation region of Ranchi, Jharkhand	2021
29.	Vivek Kumar	Assessment of Groundwater Quality Index Using Entropy Weighted Water Quality Index (EWQI) Model: A case study of Ranchi District, Jharkhand.	2022
30	Ankesh Kumar	Traffic noise mapping through arc GIS and comparison of noise level with CRTN model of Dhanbad city.	2022
31	Abhinav Kumar Singh	Application of DRASTIC model for finding Aquifer vulnerability in Dhanbad, Jharkhand, India	2023
32	Suraj Kumar	Estimation of Water Poverty in Different Wards of Dhanbad Municipal Area and Restoring of Existing Water Bodies for Its Conservation at Suitable Locations	2023
33	Rohit Sharma	Groundwater levels forecasting using Machine Learning Algorithms of Barka Sayal Area of the Central Coalfields Limited, Jharkhand	2024
34	Aman Kumar	A hybrid approach of Machine Learning and GIS for preparation of Artificial Groundwater Recharge Site Suitability Map (AGRSSM) of Dhanbad Municipal area, Jharkhand State	2024
35	Birendra Kumar	Assessment of Fluoride level using Physiochemical Parameter with the help of Machine Learning in Gharbar Village, Dhanbad, Jharkhand.	Undergoing
36	Shivam Raj Sahani	Assessment of metal leaching and dissolution into water bodies from floating solar panel due to some accidents and its Ecological & Human Health Risk Evaluation.	Undergoing

## Significant Contribution to Projects & Consultancy:

## **R&D Projects Completed**

S.	Project Title	Name of the	Role of	Amount	Details of the
N		Sponsored	assesses	(in	Work
0				Lakhs)	
1.	Development of guidelines for	CIL, MOC,	PI	107.84	Ongoing since
	delineation of water stressed areas and	Government			February 2022
	designing of environmental friendly	of India			
	water storage structure for meeting the				
	water needs in mining areas.				
	Project No.:				
	CIL (20)/2021-2022/845/ESE				ļ

2.	Impact of climate change on vulnerable	MoJS, Government	Co-PI	78,79,804	Ongoing since
	aquifer systems in and around industrial and mining areas of Damodar River	of India		.00	January 2025
	Basin (Eastern India) using GIS based	01 211010			
	Modified DRASTIC Model and				
	Global Climate Model				
3.	Identification of suitable sites and	IIT(ISM)	PI	6.80	Ongoing since
	designing of environmental friendly	Institute			June 2021
	rainwater harvesting structures for	Funded			
	catching the rain where it falls when it				
	falls in the IIT(ISM) campus area. <b>Project No.:</b>				
	IIT(ISM)/2021-2022/803/INSTITUTE				
4.	Groundwater Resource Evaluation and	ISM Minor	PI	0.41	Completed
	quality assessment near industrial and	Project		****	(2008)
	mining areas in Bokaro district				( )
	Project No.:				
	ISM/Acad/AC/76.13(e)/2007)				
5.	Assessment of Groundwater Level	UGC, New	PI	9.256	Completed
	Fluctuations with Respect to Changing	Delhi			(2015)
	Patterns of Rainfall in Jharia Coal				
	Mining Region				
	Project No.: UGC (79)/ 2012-				
	2013/318/ESE				
6.	Estimation of Aquifer Potential in Jharia	MOWR,	PI	28.547	Completed
	Coal Mining Region with Suitable	New Delhi			(2017)
	Techniques to Improve the Recharge				
	Project No.: MOWR (3)/2012- 2013/308/ESE				

# (C) Consultancy Projects

S.No.	Project Title	Sponsored By	Role	ISM Project No.
1.	A scientific study on the	BCL, Kolkata	Co-PI	CONS/7214/2023-24
	assessment of impact of mine			
	blasting operations on			
	environmental pollution and			
	important structures of			
	Chittorgarh fort for suggesting			
	suitable remedial measures			
2.	Cumulative Impact Assessment	NCL	Co-PI	CONS/6096/2021-22
	Study, Carrying Capacity Study			
	and Ecosystem Services Study as			
	per condition of terms of			
	References (ToR) for Expansion			
	of Nigahi Opencast Mining			
	Project from 21Mtpa to 25 Mtpa			

	with increase in leasehold area from 3018.40 ha to 3582.732 ha. (130.626 Lakh)			
3.	Preparation of Catchment Treatment Plan	VEDANTA	Co-PI	VEDANTA (ESL)/2020- 2021/726/ESE
				(Continuing)
4.	Hydrological and Water Quality studies for Panandharo, Umarsar and Akrimota mining area of GMDC	GMDC	PI	CONS/2575/2010-11 (Completed)
5.	Evaluation of Sustainable Development Project at ECL under MOU 2012-2013 (First Phase)	ECL	PI	CONS/2356/2012-13 (Completed)
6.	Preparation of Environmental Statement in respect of DVC Bermo Mines.	DVC	PI	CONS/1516/2012-13 (Completed)
7.	Regional Environmental Management Plan of Angul- Talcher- Meramundali Area of MCL, Orissa	SPCB, Bhubaneswar	Member	CONS/0275/2007-08 (Completed)
8.	Socio-economic Survey of Affected Families at Fire & Subsidence Areas in Jharia Coalfield.	JRDA	Member	CONS/0925/2009-10 (Completed)
9.	Environmental Monitoring of DVC Chandrapura	DVC	Member	CONS/1235/2011-12 (Completed)
10.	Environmental Monitoring of DVC Bokaro Thermal	DVC	Member	CONS/1440/2011-12 (Completed)
11.	Environmental Monitoring of Unit 7,8, DVC Chandrapura	DVC	Member	CONS/1235/2011-12 (Completed)
12.	Compliance of Forestry clearance condition no. 6, 7, 10 and 18 for Ghanudih and Bastacolla area.	BCCL	Member	CONS/1285/2011-12 (Completed)
13.	EIA/EMP study of Madhuban and Damuda area, Dhanbad.	BCCL	Member	CONS/2356/2012 (Completed)

# **Development of Lab Facilities**

Lab l	Development
1	In Charge of Land Use & Hydrological Lab of ESE Department
2	Developed Remote Sensing & GIS Lab of ESE Department
3	Developed Rainwater Harvesting Structure in ESE Campus, IIT(ISM)

## <u>Training Programme Conducted – as a Course Coordinator</u>

S.	Details of Course	institution & Place	Period	Total
No.				Duration
				(Days)
1	Evaluation of Water Resources and	IIT(ISM), Dhanbad	December 10-	3
	its Management		12, 2012	
2	Management and Availability of	ISM industry Institute	December 28-	3
	Water Resources Near Mining and	Interaction Facility,	30, 2015	
	industrial Areas	Kolkata		
3	Management of Water Resources	IIT (ISM), Dhanbad	November	3
	Near Mining and industrial Areas		9-11, 2016	
4	Environmental Management:	ISM Industry Institute	December 27-	3
	Special Emphasis on Water	Interaction Facility,	29, 2017	
	Resources Near industrial Areas	Kolkata		
5	Groundwater Resources	IIT (ISM), Dhanbad	August	3
	Management in industrial Areas		08-10, 2018	
6	Application of Remote Sensing and	IIT (ISM), Dhanbad	December 16	6
	GIS For Environmental		-21,2019	
	Management Near Mining and			
	industrial Areas			
7.	Webinar on World Water Day	IIT (ISM), Dhanbad	March 22,	1
	(Theme- Groundwater Availability		2021	
	and Management- Its True Value)			
8.	Webinar on World Water Day	IIT (ISM), Dhanbad	March 22,	1
	(Theme-Groundwater Resource –		2022	
	A Hidden Treasure Need Attention)			
9.	Recent Challenges in Groundwater	ISM Industry Institute	December 20-	3
	Resource Management	Interaction Facility,	22, 2023	
10		Kolkata	D 1 10	2
10.	Integrated Approaches of	ISM Industry Institute	December 18-	3
	Sustainable Groundwater Resource	Interaction Facility,	20, 2024	
	Management Near Mining and	Kolkata		
	Industrial Area: Recharge			
	Strategies and Quality Enhancement Measures			
	Elmancement Measures			

### **Conferences Conducted**- as a Convener

S. No.	Details of Course	Institution &	Period	total
		Place		Duration
				(Days)

1	Sustainable Development of	IIT(ISM),	March 22- 23,	2
	Groundwater Resources in industrial	Dhanbad	2012	
	Region			
2	Recent Approaches to Water	IIT(ISM),	December	2
	Resources Management	Dhanbad	09-10, 2013	

### **International Recognition:**

- 1. Houstan, Texas, USA- Visited Houston, Texas, USA for attending the Fifth International Conference on "Environmental Science and Technology 2010 (ICEST-2010)" during July 12-16, 2010. The conference was organized by American Academy of Sciences at Hilton Hotel, Houston, Texas, USA.
- **2. Rome, Italy-** Visited Rome for attending the International Conference on "Hydrogeology: Back to the Future and 42<sup>nd</sup> IAH Congress (AQUA 2015)" during September 13-18, 2015. The conference was organized by International Association of Hydrogeologists (IAH) at Sapienza University of Rome.
- **3. NUS, Singapore-** visited Singapore during 5<sup>th</sup> January to 9<sup>th</sup> January 2019 for attending the International Conference entitled "5<sup>th</sup> International Conference on Environment and Bio-Engineering (ICEBE 2019)" which was scheduled from 7<sup>th</sup> -9<sup>th</sup> January 2019 at Shaw Foundation Alumni House in National University of Singapore. The conference was organized by Hong Kong Chemical, Biological & Environmental Engineering Society (HKCBEES), Singapore.

### **Departmental Activities**

- Serving as **DPGC Member** of the ESE Department for the period 15th October 2020 to 14 October 2022.
- Serving as **DFSC Member** of the ESE Department for the period 1<sup>st</sup> December 2020 to 30<sup>th</sup> November 2021.
- Serving as Training Co-ordinator of M. Tech. Students in the ESE Department since October 2020.
- Served as **Training Incharge of B. Tech & M. Tech. Students** in the ESE Department since 2018-2020.
- Served as **M. Tech. Co-Ordinator** in the ESE Department For Two Academic Years (March 2012-March 2014).
- Served as **Senate Member** from ESE Department for the period 2016 to 2018.
- **DSC External Member** of the Department of Applied Geology, IIT (ISM), Dhanbad.
- Served as an **Expert Member** in the M.Tech & JRF Selection Committee of the ESE Department.

### **Administrative Exposure (at IIT(ISM) Dhanbad):**

- Served as Professor-in- Charge of Central Library, IIT(ISM), Dhanbad since December 2021.
- Serving as Co-ordinator, Water Resource Management under the Centre of Water Resource Management (CWRM), IIT(ISM) from 22/09/2020 to till date.

• Served as a **Hostel Warden** of Amber Hostel for one Year (since March 2009- Feb 2010).

(Prasoon Kumar Singh)