

## **BIO-DATA**

### **Name & Address**

Ishtiyaq Ahmad  
Assistant Professor  
Department of Civil Engineering  
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## BIO-DATA

- [1]. Name : **ISHTIYAQ AHMAD**
- [2]. Designation : Assistant Professor
- [3]. Father's Name : Mr. Ashfaq Ahmad
- [4]. Mother's Name : Mrs. Asma Begum
- [5]. Date of Birth : **29.03.1983**
- [6]. Address for Correspondence : Department of Civil Engineering  
National Institute of Technology Raipur  
G.E. Road Raipur (C.G.) – 492010 (India)
- [7]. E-mail : **iahmad.ce@nitrr.ac.in; ia\_friends2000@yahoo.co.in**
- [8]. Educational Qualification :

S.No.	Examination Passed	Subject/ Specialization	Board/ University/ Institute	Passing Year	Division/ Grade
1.	<b>Bachelor of Engineering (B.E.)</b>	Civil Engineering	Nagpur University, Nagpur	2005	<b>First</b>
2.	<b>Master of Technology (M.Tech)</b>	Water Resources Development & Irrigation Engineering	National Institute of Technology Raipur	2008	<b>Honors</b>
3.	<b>Certificate Course</b>	MS-Office	National Institute of Technology Raipur	2006	<b>A+</b>
4.	<b>Certificate Course</b>	AutoCAD	National Institute of Technology Raipur	2006	<b>A</b>
5.	<b>Ph.D.</b>	Water Resources Engineering	National Institute of Technology Raipur	<b>Pursuing</b>	

- [9]. Teaching Experience ( in chronological order ) :

S.No.	Organization	Designation	Duration	
			From	To
1.	National Institute of Technology, Raipur Govt. of India	Assistant Professor in Civil Engineering	01-05-2013	Till Date
2.	Government Polytechnic Hamirpur, Technical Education Department, Government of Uttar Pradesh, India	Lecturer Civil Engineering	19-11-2011	31-04-2013
3.	National Institute of Technology, Raipur Govt. of India	Lecturer Civil Engineering	14-07-2011	18-11-2011
4.	Institute of Tech., Guru Ghasidas Central University, Bilaspur Govt. of India	Assistant Professor in Civil Engineering	17-07-2010	24-05-2011
5.		Lecturer Civil Engineering	11-08-2009	30-06-2010
6.	National Institute of Technology, Raipur Govt. of India	Lecturer Civil Engineering	29-01-2009	25-05-2009
7.		Lecturer Civil Engineering	27-07-2008	20-01-2009
8.		Lecturer in Civil (PTDC)	July 2008	Dec. 2009
9.	Cont. Edu. Cell NIIT Raipur Govt. of India	Facilitator AutoCAD & Office	Conducted 17 AutoCAD & 01 MS-Office Courses	

## PUBLICATIONS

### Books:

- [1]. I. Ahmad, M. K. Verma & A. Patel, “**Application of Fuzzy Logic in Water Resources Engineering**”, LAP Lambert Academic Publishing, Germany, December 2011, ISBN: 978-3847305415.
- [2]. B. Sharma, U. Gupta & I. Ahmad, “**Relationship for various Properties of SFRC**”, LAP Lambert Academic Publishing, Germany, December 2011, ISBN: 978-3847315520.
- [3]. I. Ahmad & A. Ahmad, “**A Study report on Fibre Reinforced Polymer Composites**”, LAP Lambert Academic Publishing, Germany, February 2012, ISBN: 978-3847370383.

### JOURNALS :

- [1]. I. Ahmad, S. Nayak, M.K. Verma & R.K. Triapthi, “**Application of Fuzzy Logic in Rainfall- Runoff Modeling for Ravishankar Sagar Reservoir**”, CSVTU Research Journal, Vol.2, No.1, January 2009, Page 12-16, ISSN No. 0974-8725.
- [2]. I. Ahmad, S. Nayak, M.K. Verma & R.K. Triapthi, “**Fuzzy Logic Approach in Developing Rainfall-Runoff Model for Dudhawa Reservoir**”, Journal of Indian Water Works Association, Vol. XXXXI No.1, January-March 2009, ISSN No. 0970-275X.
- [3]. I.Ahmad, S. Nayak, M. K. Verma & R. K. Tripathi, “**Application of Fuzzy Logic Based Inflow Forecasting Model For Murumsilli Reservoir**”, Journal of Applied Hydrology, Issue XXIV – No.1&2, Jan. & Apr. 2011.
- [4]. I.Ahmad, M. K. Verma, “**Application of USLE Model & GIS in Estimation of Soil Erosion for Tandula Reservoir**”, International Journal of Emerging Technology and Advanced Engineering”, Vol. 3, Issue 4, April 2013, ISSN No. 2250 -2459 (Online).
- [5]. S. Bhraria, I. Ahmad & M. K. Verma, “**Application of Remote Sensing & GIS in Flood Plain Mapping**”, Paras Conference Proceedings; International Journal of Advanced and Innovative Research (ISSN No. 2278-7844) / # 13 / Volume 3 Conference Issue 1.
- [6]. T. Baghel, I. Ahmad & M. K. Verma, “**Role of Remote Sensing & GIS in the Environmental Protection**”, Paras Conference Proceedings; International Journal of Advanced and Innovative Research (ISSN No. 2278-7844) / # 13 / Volume 3 Conference Issue 1.
- [7]. S. Swain, I. Ahmad & M. K. Verma, “**Impact of Climate Variability over Mahanadi River Basin**”, Paras Conference Proceedings; International Journal of Advanced and Innovative Research (ISSN No. 2278-7844) / # 13 / Volume 3 Conference Issue 1.
- [8]. Vivek Verma & Ishtiyah Ahmad, “**DEM Development using Geographic Information System for Topographic Assessment**”, Journal of Water Resource Engineering and Management ISSN: 2349-4336 (online) Volume 1, Issue 3, 2014.
- [9]. Vivek Verma & Ishtiyah Ahmad, “**Application of GIS in Developing Digital Elevation Model**”, International Journal of Scientific Research & Progress (IJSRP) ISSN: 2349-4689 (online) Volume 05, Number 01, 2014.
- [10]. Jainendra Vishwakarma, M.K. Verma & Ishtiyah Ahmad, “**Application of Remote Sensing and GIS in Groundwater Prospect Mapping**”, International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181, Volume 03, Issue 10, October - 2014.

- [11]. V.Verma & I. Ahmad “DEM Development using Geographic Information System for Topographic Assessment”, Journal of Water Resource Engineering and Management ISSN: 2349-4336 (online) Volume 1, Issue 3, 2014.
- [12]. Ishtiyag Ahmad and M.K. Verma, “**Application of RS & GIS in Estimation of Sub-Basin Runoff Potential usingHEC-HMS**”, International Journal of Applied Engineering Research (IJAER) ISSN 0973-4562, Vol. 10 No. 20 2015, pp 41243-41248.
- [13]. Ishtiyag Ahmad and M.K. Verma, “**Surface Runoff Estimation using Remote Sensing & GIS based Curve number Method**”, International Journal of Advanced Engineering Research and Sciences (IJAERS) ISSN 2349-6495, Vol 3, Issue 2, 2016, pp 73-78.
- [14]. Ishtiyag Ahmad and M.K. Verma, “Ishtiyag Ahmad and M.K. Verma, “**Application of RS & GIS in Estimation of Sub-Basin Runoff Potential usingHEC-HMS**”, International Journal of Applied Engineering Research (IJAER) ISSN 0973-4562, (Accepted for publication)

#### CONFERENCE – INTERNATIONAL:

- [1]. I. Ahmad, A. Patel, M.K. Verma & R.K. Triapthi, “**Fuzzy Logic Based Inflow Prediction Model For Reservoirs of Mahanadi Basin**”, International Conference on Emerging Trends in Soft Computing and ICT (SCICT 2011), March 16-17, 2011, GGV Bilaspur, Page No. 95-98, ISBN No. 978-81-920913-3-4.
- [2]. I. Ahmad & M. K. Verma, “**Digital Elevation Model Preparation for Topographic Assessment in GIS Environment**”, Shaastrarth-2014, An International Conference on Advanced Research Applications in Engineering and Technology, 23-24 March 2014, Rungta Group of Institutions, Bhilai-Raipur, Chhattisgarh, India.
- [3]. S. Swain, I. Ahmad & M. K. Verma, “**A Study of Climate Changes over Krishna River Basin**”, Shaastrarth-2014, An International Conference on Advanced Research Applications in Engineering and Technology, 23-24 March 2014, Rungta Group of Institutions, Bhilai-Raipur, Chhattisgarh, India.
- [4]. I. Ahmad, V. Verma , M. K. Verma “Estimation of Runoff Potential using SCS-CN Method with Remote Sensing and GIS” 19th Conference on Hydraulics, Water resources & Environmental Engineering. (Dec. 18-20th, 2014) Organized by Maulana Azad National Institute of Technology, Bhopal India, ISBN: 978–93–84935–04–7.
- [5]. I Ahmad, V. Verma , M. K. Verma “Application of Curve Number Method for Estimation of Runoff Potential in GIS Environment”, 2015 2nd International Conference on Geological and Civil Engineering IPCBEE vol. 80 (2015), IACSIT Press, Singapore.

#### CONFERENCE – NATIONAL:

- [1]. I. Ahmad & M. K. Verma “ Application of Remote Sensing & GIS in Developing Rainfall Runoff Model”, National Conference on Research And Innovation In Engineering And Technology (RIET-2015), 6-7 November, 2015, SRMS College of Engineering & Technology, Unnao.
- [2]. S. Bhraria, I. Ahmad & M. K. Verma, “**Application of Remote Sensing & GIS in Flood Plain Mapping**”, Paras 2014, 2<sup>nd</sup> National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh”, 7-8 March, 2014, PCEM Bhilai.
- [3]. S. Swain, I. Ahmad & M. K. Verma, “**Impact of Climate Variability over Mahanadi River Basin**”, Paras 2014, 2<sup>nd</sup> National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh”, 7-8 March, 2014, PCEM Bhilai.

- [4]. A. Jangade., I. Ahmad & M. K. Verma, “**Application of Modflow in Water Resource Management**”, Paras 2014, 2<sup>nd</sup> National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh”, 7-8 March, 2014, PCEM Bhilai.
- [5]. T. Baghel, I. Ahmad & M. K. Verma, “**Role of Remote Sensing & GIS in the Environmental Protection**”, Paras 2014, 2<sup>nd</sup> National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh”, 7-8 March, 2014, PCEM Bhilai.
- [6]. S.Soni, I. Ahmad & M. K. Verma, “**Green Technology for Sustainable Development in Agriculture**”, Paras 2014, 2<sup>nd</sup> National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh”, 7-8 March, 2014, PCEM Bhilai.
- [7]. A. Sahu, I. Ahmad & M. K. Verma, “**Energy Policy, planning & Management for Environmental Protection: A review**”, Paras 2014, 2<sup>nd</sup> National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh”, 7-8 March, 2014, PCEM Bhilai.
- [8]. M. K. Verma, R. K. Tripathi & I. Ahmad, “**Assessment of Asian Cities on the Basis of Green City Index**”, 27<sup>th</sup> National Convention on Integrated Development of Towns as Growth Centres, 15-16 October 2011, Institution of Engineers (India), Chhattisgarh State Centre, Raipur.
- [9]. I. Ahmad, M. K. Verma & Ashish Patel, “**Water Resources Management: Need of the Hour**”, 27<sup>th</sup> National Convention on Integrated Development of Towns as Growth Centres, 15-16 October 2011, Institution of Engineers (India), Chhattisgarh State Centre, Raipur.
- [10]. I. Ahmad, M. K. Verma & Ashish Patel, “**Impact of Flooding in Urban Region**”, 27<sup>th</sup> National Convention on Integrated Development of Towns as Growth Centres, 15-16 October 2011, Institution of Engineers (India), Chhattisgarh State Centre, Raipur.
- [11]. I. Ahmad, “**Development of Fuzzy Logic Based Rainfall-Runoff Model for Reservoirs of Mahanadi Reservoir Project Complex**”, 7<sup>th</sup> CG Young Scientist Congress 2009, 28<sup>th</sup> Feb. – 1<sup>st</sup> March, 2008, Organized by Indira Gandhi Krishi Vishwavidyalaya, Raipur and Sponsored by Chhattisgarh Council of Science and Technology Raipur, Page 33.
- [12]. I. Ahmad, S. Nayak, M.K. Verma & R.K. Tripathi, “**Development and Application of Fuzzy Logic Based Rainfall- Runoff Model**”, National Conference on Hydraulics & Water Resources, HYDRO 2008, 15-16 December, 2008, MNIT Jaipur, Page 275-282, ISBN No. 81-88870-72-2.
- [13]. I. Ahmad, M.K. Verma & R.K. Tripathi, “**Fuzzy Logic Approach in Rainfall-Runoff Modeling for Dudhawa Reservoir of Mahanadi Reservoir Project Complex**”, National Seminar Water Vision 2030, 24-25 December, 2008, Indian Water Works Association (IWWA), Nagpur Centre, Page 9.
- [14]. I. Ahmad, M.K. Verma & R.K. Tripathi, “**Urban Rain Water Harvesting and Ground Water Recharging**”, National Conference on Technological Advances in Civil Engineering, BITCON 2008, 7-8 November, 2008, BIT Durg, Page 274-278.
- [15]. M.K. Verma & I. Ahmad, “**Murumsilli Earthen Dam Project: An Irrigation Heritage Structure of Chhattisgarh State**”, National Conference on Technological Advances in Civil Engineering, BITCON 2008, 7-8 November, 2008, BIT Durg, Page 220-223.
- [16]. S. Hema Bindu, I. Ahmad & M.K. Verma, “**Reservoir Sediment Studies**”, National Conference on Technological Advances in Civil Engineering, BITCON 2008, 7-8 November, 2008, BIT Durg, Page 240-246.

- [17]. A. Soni, I. Ahmad, M.K. Verma & R.K. Triapthi, **Study of Flood Routing Methods for Reservoirs**", National Conference on Technological Advances in Civil Engineering, BITCON 2008, 7-8 November, 2008, BIT Durg, Page 224-228.
- [18]. S.K. Jaiswal, M.K. Verma & I. Ahmad, **"Rainfall-Runoff Model with Fuzzy Logic Approach"**, National Conference on Emerging Trends in Civil Engineering for Infrastructure Development (ETC-ID 2008), 15-16 February, 2008, NIT Raipur, Page 263-268.
- [19]. I. Ahmad & M.K. Verma, **"Interlinking of Indian Rivers: Networking for Water Scarcity Problem"**, National Conference on Recent Advances & Trends in Civil Engineering, BITCON 2007, 16-17 March, 2007, BIT Durg, Page 88-91.

### WORKSHOP ORGANIZED

- [1]. Organized National Workshop on **"Support Vector Machine in Pattern Recognition & It's Applications in Biological Sciences"**, Sub-DIC Bioinformatics, National Institute of Technology Raipur, 23-27 January, 2014 as organizing member.
- [2]. Organized Special Invited Lecture on **"Introduction to Central Laboratory Facility & IPR"**, Sub-DIC Bioinformatics, National Institute of Technology Raipur, 15 January, 2014 as organizing member.
- [3]. Organized one day workshop on **"Digital Cartographic Techniques for Map Updation & Digital Image Fusion for large Scale Mapping & Entropy for Accuracy Assessment"**, Department of Civil Engineering, National Institute of Technology Raipur, 31<sup>st</sup> October, 2013 as Co-Coordinator.
- [4]. Organized one week National Workshop on **"Visual MODFLOW (Exclusive hands on Training with Project Assignment)"**, Department of Civil Engineering, National Institute of Technology Raipur, 18-22 November, 2013 as Co-Coordinator.
- [5]. Organized two day National Workshop on **"National Workshop on Water Resources in Developing Countries: Planning and Management"**, Department of Civil Engineering, National Institute of Technology Raipur, 27-28 August, 2015 as Co-Coordinator.
- [6]. Organized one week Workshop on **"Testing methods in Civil Engineering Construction"**, Department of Civil Engineering, National Institute of Technology Raipur, 16-20 November, 2015 as organizing member.

### WORKSHOP ATTENDED

- [1]. Attended Training course on **"MIKE 11: Introduction to River Modelling"**, organized by The Academy by DHI, DHI (India) Water & Environment Pvt. Ltd., New Delhi, 25-27 August, 2014.
- [2]. Attended Short Term Course on **"Faculty Induction Training Phase – I"**, organized by National Institute of Technical Teachers Training and Research, Bhopal at National Institute of Technology Raipur, 2-13 June, 2014.
- [3]. Attended workshop on **"Academic Ethics and IPR"**, organized by National Institute of Technology Raipur & Chhattisgarh Council of Science & Technology, 4-5 April, 2014.
- [4]. Attended course on Off-Campus Outreach Certificate Program in Advance Course on **"Microwave (SAR) Remote Sensing for Natural Resources"**, conducted by Council of Science & Technology Chhattisgarh Raipur, organized by Indian institute of Remote Sensing (IIRS) Dehradun from 03-02-2014 to 29-03-2014.

- [5]. Attended Applied Training Program on “**MIKE Flood & MIKE Basin**”, organized by Department of Civil Engineering, national Institute of Technology Rourkela, 20-24 January, 2014
- [6]. Attended course on Off-Campus Outreach Certificate Program in Basic Course on “**Remote Sensing, Geographical Information System and Global Navigation Satellite System**”, conducted by Council of Science & Technology Chhattisgarh Raipur, organized by Indian institute of Remote Sensing (IIRS) Dehradun from 05-08-2013 to 12-11-2013.
- [7]. Attended one day Workshop on “**Cloud Computing**” organized by Dept. of Computer Application, Computer Science and information Technology, National Institute of Technology Raipur on 20-21 July, 2013.

#### **AWARDS:**

- ✓ **Chhattisgarh Young Scientist Award 2009 in Engineering and Science Discipline**, 7<sup>th</sup> Young Scientists’ Congress-2009, 28<sup>th</sup> Feb. & 1<sup>st</sup> March, 2009, organized by Indira Gandhi Krishi Vishwavidyalaya, Raipur and Sponsored by Chhattisgarh Council of Science and Technology, (CCOST), Raipur, India
- ✓ Best Paper Award at 2015 2nd International Conference on Geological and Civil Engineering 10-11 January 2015, organized by CBEES, Hong Kong.

#### **ACHIEVEMENTS:**

- ✓ Civil Defense Training from 23/08/1999- 29/08/99, organized Civil Defense Department, Allahabad District. (Class 11<sup>th</sup>)India.
- ✓ Certificate for securing First Position in First Year Examination of B.E. (Civil), India.
- ✓ Participated in Software Exhibition form 9<sup>th</sup> to 11<sup>th</sup> Feb., 2004, at M.I.E.T. Gondia. (B.E. 6<sup>th</sup> Sem.), India.
- ✓ Vice President of Civil Engineering Student Association (CESA) in the session 2004-05, India.
- ✓ Participated and presented paper in En-genius 2005, 4<sup>th</sup> Annual State Convention of ISTE Students, 24<sup>th</sup> & 25<sup>th</sup> Feb., 2005, at M.I.E.T. Gondia (B.E. 8<sup>th</sup> Sem.) India.
- ✓ Presented paper in Search 05, State Level Technical Paper Presentation, 30<sup>th</sup> March 2005, at Pravara Rural Engineering College, Loni. (8<sup>th</sup> Sem.) India.
- ✓ Participated in National Conference on “Need of Value Education in Engineering, 7<sup>th</sup> & 8<sup>th</sup> Feb., 2009, at SRI-TECH Raipur, India.
- ✓ Participated as a organizing member for AutoCAD competition in SRIJAN’09, organized by Department of Civil Engg., 7<sup>th</sup> March, 09, NIT Raipur, India.

**Ishtiyaq Ahmad**