Name	: Dr. ISHTIYAQ AHMAD
Designation	: Assistant Professor
Address	: Department of Civil Engineering
	National Institute of Technology Raipur
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[A] EDUCATIONAL QUALIFICATION

1. B.E. (Civil Engineering) 2005
2. M.Tech. (Water Resources Development & Irrigation Engineering) 2008
3. PhD (Water Resources) January 2016

[PhD Title: Integrated River Basin Planning & Management: Sheonath Basin in Chhattisgarh State]

[B] PROFESSIONAL EXPERIENCE

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.	Continuing Education Cell NIT Raipur Govt. of India	Facilitator AutoCAD course	From 2007 till date	
		Facilitator AutoCAD course	From 2018 till date	

[C] RESEARCH / CONSULTANCY PROJECT WORKED:

1. Flood problem of Power Grid Corporation of India Limited (PGCIL) site Taga village, Janjgir-Bilaspur, Chhattisgarh
2. Appraisal of DPR for water supply scheme of ULB Narayanpur Town Chhattisgarh.
3. Water quality survey for lake restoration in Budha talab Raipur & Tarbahar talab at Bilaspur, Chhattisgarh.

[B] ACADEMIC ACCOMPLISHMENT

CONTINUING EDUCATION:

Course coordinator and Facilitator at Continuing Education Cell (CEC), NIT Raipur for Certificate Courses on:
1. **ArcGIS**
2. **AutoCAD**

LABORATORY DEVELOPED: **WRE Advanced Computational Lab.**

REVIEWER: **Journal of Water Resources Engineering & Management (Publisher Springer; SCI Indexed)**

MEMBER OF PROFESSIONAL BODIES: **07 Nos**

RESEARCH GUIDANCE:

1. **M. Tech.**   : **19 Completed; 3 Undergoing**
2. **PhD Guidance** : **04 Undergoing**

AWARDS/ACHIEVEMENTS

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

ADMINISTRATIVE RESPONSIBILITY

1. M.Tech. Coordinator (WRD&IE), Dept. of Civil Engg., NIT Raipur
2. Prof. (I/c), WRE Section, Dept. of Civil Engg., NIT Raipur
3. Admission Incharge M.Tech. Sponsored Category, Dept. of Civil Engg., NIT Raipur
4. Member Departmental Examination Committee, Dept. of Civil Engg., NIT Raipur
5. Coordinator NBA Accreditation (M.Tech. WRD&IE), Dept. of Civil Engg., NIT Raipur

PUBLICATIONS:
Book Chapter:

1. Dewangan, C.L., Ahmad, I. Assessment of Reservoir Sedimentation and Identification of Critical Soil Erosion Zone in Kodar Reservoir Watershed of Chhattisgarh State, India (2020) Lecture Notes in Civil Engineering, 33, pp. 203-214. DOI: 10.1007/978-981-13-7067-0_16 (Scopus Indexed).
2. Ahmad I, Verma M.K. Integrated Planning and Management of Water Resources in Sheonath River Basin of Chhattisgrah state India, Environmental Management", Water Science and Technology Library book series, [ISSN: 0921-092X], Springer International Publishing. (Accepted for publication) (Scopus Indexed).

Journals

1. Ahmad, I., Verma, M.K. Application of Analytic Hierarchy Process in Water Resources Planning: A GIS Based Approach in the Identification of Suitable Site for Water Storage (2018) Water Resources Management, 32 (15), pp. 5093-5114. DOI: 10.1007/s11269-018-2135-x (SCI/SCOPUS Indexed).

2. Sinha, M.K., Verma, M.K., Ahmad, I., Baier, K., Jha, R., Azzam, R. Assessment of groundwater vulnerability using modified DRASTIC model in Kharun Basin, Chhattisgarh, India (2016) Arabian Journal of Geosciences, 9 (2), art. no. 98, pp. 1-22. DOI: 10.1007/s12517-015-2180-1 (SCI/SCOPUS Indexed).

3. Shrivastava, P., Verma, M.K., Murmu, M., Ahmad, I. Applicability of the analytical hierarchy process (AHP) in decision making for integrated urban water system in a city (2019) International Journal of Recent Technology and Engineering, 8 (2), pp. 1317-1322. DOI: 10.35940/ijrte.B1945.078219 (SCOPUS indexed).

4. Ahmad, I., Verma, M.K. Site suitability mapping for water storage structures using remote sensing & GIS for Sheonath basin in Chhattisgarh state. (2016) International Journal of Applied Engineering Research, 11 (6), pp. 4155-4160 (Scopus Indexed).

5. Shrivastava, P., Sarkar, H., Verma, M.K., Ahmad, I. Next generation software tool for sustainable urban water modelling : Aquacycle (2016) International Journal of Control Theory and Applications, 9 (21), pp. 19-24. (Scopus Indexed).

6. Ahmad, I., Verma, M.K. Application of RS & GIS in estimation of sub-basin runoff potential using HEC-HMS (2015) International Journal of Applied Engineering Research, 10 (20), pp. 41243-41248. (Scopus Indexed).

7. Ahmad, I., Verma, M.K. GIS based analytic hierarchy process in determination of suitable site for water storage (2017) European Water Special Issue: "10th Word Congress on Water Resources and Environment" (EWRA2017 Issue IV) 139-146.

8. Ishtiyaq 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.

9. 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.

10. Jainendra Vishwakarma, M.K. Verma & Ishtiyaq 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. Vivek Verma & Ishtiyaq Ahmad, "Application of GIS in Developing Digital Elevation Model", International Journal of Scientific Research & Progress (IJSPR) ISSN: 2349-4689 (online) Volume 05, Number 01, 2014.

12. 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, May 2014.

13. 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, May 2014.

14. 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, May 2014.

15. 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).

16. 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.

17. 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.

18. 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.

19. Preeti Rajput, Manish Kumar Sinha, M.K. Verma and I. Ahmad, "Drought Hazard Assessment and Mapping in Upper Seonath Sub-Basin using GIS", International Journal of Emerging Technology and Advanced Engineering", Vol. 4, Issue 10, October2014, ISSN No. 2250 -2459 (Online).

Conference –International

1. C L Dewangan & I Ahmad "Assessment of reservoir sedimentation using LANDSAT imagery & HEC-HMS model in Kodar reservoir watershed of Chhattisgarh State, India", Proceedings of the 11th World Congress on Water Resources and Environment (EWRA 2019) "Managing Water Resources for a Sustainable Future" Madrid, Spain, 25-29 June 2019.

2. I Ahmad & M. K. Verma "GIS based analytic hierarchy process in determination of suitable site for water storage Application",. Proceedings of the 10th World Congress of EWRA, Panta Rhei on Water Resources and Environment, 5-9 July 2017, Athens, Greece. Pp 753-760.

3. Parul Vinze, I. Ahmad& M. Murmu, "Identification of Suitable Sites for Water Storage Structure in Andhiyarkore Watershed Chhattisgarh", HYDRO-2018-INTERNATIONAL, NIT Patna, 19-21 December 2018.

4. Yashvant Tikariha & I. Ahmad, "Estimation of irrigation water using WEAP model in Tandula command area", HYDRO-2018-INTERNATIONAL, NIT Patna, 19-21 December 2018.

5. 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.

6. 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.

7. 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.

8. I. Ahmad, V. Verma , M. K. Verma "Estimation of Runoff Potential using SCS-CN Method with Remote Sensing and GIS" 19th International Conference on Hydraulics, Water resources & Environmental Engineering., HYDRO 2014 International, (Dec. 18-20th, 2014) Organized by Maulana Azad National Institute of Technology, Bhopal India, ISBN: 978–93 –84935–04–7.

9. 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. I. Ahmad & M. K. Verma "Performance Evaluation of Fuzzy Inflow Forecasting Model For Murumsilli and Ravishankar Sagar Reservoir", National Conference on Research And Innovation In Engineering And Technology (RIET-2015), 6-7 November, 2015, SRMS College of Engineering & Technology, Unnao.

3. S. Bhraria, I. Ahmad & M. K. Verma, "Application of Remote Sensing & GIS in Flood Plain Mapping", Paras 2014, 2nd National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh", 7-8 March, 2014, PCEM Bhilai.

4. S. Swain, I. Ahmad & M. K. Verma, "Impact of Climate Variability over Mahanadi River Basin", Paras 2014, 2nd National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh", 7-8 March, 2014, PCEM Bhilai.

5. A. Jangade., I. Ahmad & M. K. Verma, "Application of Modflow in Water Resource Management", Paras 2014, 2nd National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh", 7-8 March, 2014, PCEM Bhilai.

6. T. Baghel, I. Ahmad & M. K. Verma, "Role of Remote Sensing & GIS in the Environmental Protection", Paras 2014, 2nd National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh", 7-8 March, 2014, PCEM Bhilai.

7. S.Soni, I. Ahmad & M. K. Verma, "Green Technology for Sustainable Development in Agriculture", Paras 2014, 2nd National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh", 7-8 March, 2014, PCEM Bhilai.

8. A. Sahu, I. Ahmad & M. K. Verma, "Energy Policy, planning & Management for Environmental Protection: A review", Paras 2014, 2nd National Conference on Recent Advancement in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh", 7-8 March, 2014, PCEM Bhilai.

9. M. K. Verma, R. K. Tripathi & I. Ahmad, "Assessment of Asian Cities on the Basis of Green City Index", 27th 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, "Water Resources Management: Need of the Hour", 27th 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, M. K. Verma & Ashish Patel, "Impact of Flooding in Urban Region", 27th National Convention on Integrated Development of Towns as Growth Centres, 15-16 October 2011, Institution of Engineers (India), Chhattisgarh State Centre, Raipur.

12. I. Ahmad, "Development of Fuzzy Logic Based Rainfall-Runoff Model for Reservoirs of Mahanadi Reservoir Project Complex", 7th CG Young Scientist Congress 2009, 28th Feb. – 1st March, 2008, Organized by Indira Gandhi Krishi Vishwavidyalaya, Raipur and Sponsored by Chhattigarh Council of Science and Technology Raipur, Page 33.

13. I. Ahmad, S. Nayak, M.K. Verma & R.K. Triapthi, "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.

14. I. Ahmad, M.K. Verma & R.K. Triapthi, "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.

15. I. Ahmad, M.K. Verma & R.K. Triapthi, "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.

16. 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.

17. 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.
18. 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.
19. 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.
20. 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.
21. 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, 31st 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.

LECTURE DELIVERED

1. Lecture on "Introduction to GIS & Spatial Data Analysis" at 21 days NRDMS-DST sponsored training programme on Geospatial Technologies scheduled, May 10-30, 2019 , K. Banerjee Centre of Atmospheric & Ocean Studies, University of Allahabad, Prayagraj, Uttar Pradesh, 29th May 2019.
2. Lecture delivered at on GIS RCTRC Naya Raipur on GIS and Iits application.
3. Invited as a Resources Person for Training in two days National Workshop on "GIS & Its Applications", organized by the Association of Civil Engineering, SSIPMT Raipur.
4. Delivered a Lecture on "Hydrological Modeling in GIS Environment: Using ArcGIS, HEC-GeoHMS , HEC-HMS" during 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.
5. Master Trainer for Workshop on "GIS & Its Application: Hands on Training" under TEQIP III, CSVTU, Bhilai, 25-27 March, 2018.