

## Rahul Agrawal CV

### Curriculum Vitae

**Name:** RAHUL PRADEEP AGRAWAL

**Address:** 16A, Dwarkapuri, Station Road, Aurangabad

**E-mail:** [rahul.agrawal@mit.asia](mailto:rahul.agrawal@mit.asia), [rahulpagrawal05@gmail.com](mailto:rahulpagrawal05@gmail.com)

**Mobile:** 8149858498

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



### Academic Credentials

Degree	Specialization	Institution	University	Year	CGPA
M.E.	Water Resource Engineering	GEC Aurangabad	Dr. BAMU Aurangabad	2016	7.663
B.E.	Civil Engineering	GEC Aurangabad	Dr. BAMU Aurangabad	2013	7.463

- ✓ **M. Tech. Dissertation:** on “Flow Analysis of Dudhana River using HEC-RAS: Case-study” under Dr. D.G. Regulwar
- ✓ **B.E. Project:** on “Construction Management of activities using P-3 Software” under Dr. D.G. Regulwar

### Key Research Areas:

- ✓ Groundwater Modeling
- ✓ River Flood Modeling
- ✓ Watershed Modeling
- ✓ Cropping Pattern

### Experience

Organization	Post	From	To	No. of Years
MIT Aurangabad	Assistant Professor	Jul 2016 to	Till date	5.8
GEC Aurangabad	Teaching Assistantship	Sept 2014 to	May 2016	2.0
Design Group Aurangabad	Junior Engineer	Jul 2013 to	Jun 2014	1.0

### List of Courses Taught/Teaching at UG level

- ✓ Building Drawing and Planning (2018, 2019, 2020, 2021)
- ✓ Sustainable River Basin Management (2022)
- ✓ Engineering Mechanics (2018, 2019)
- ✓ Fire Safety Engineering (2018)
- ✓ Water Resource Engineering (2016, 2017)
- ✓ Basic of Civil Engineering (2016, 2017)
- ✓ Engineering Economics (2020)
- ✓ Quantum GIS (2016, 2017)

### List of Courses Taught/Teaching at PG level

- ✓ Groundwater Engineering (2018)
- ✓ Water Resources Software Management (2020)

### List of Research Publications

1. **Agrawal R.P.** and Regulwar D.G. (2016), “Flood analysis of Dudhana River in upper Godavari Basin using HEC-RAS” 2<sup>nd</sup> National Conference on Innovation in Civil Engineering at **GEC Karad**, Vol. 5(1), pp.188-191
2. **Agrawal R.P.** and Regulwar D.G. (2016), “Unsteady flow analysis of lower Dudhana river using HEC-RAS” 3<sup>rd</sup> National Conference on Sustainable Water Resources Development and Management SWARDAM 2016 at **GEC Aurangabad**, Vol. 3, pp. 120-125
3. Awsarmal P.R., **Agrawal R.P.** and Dahake A.G. (2017), “Study of various soil properties of Shivana River for construction of Raft foundation” National Conference on “Advanced Trends in Agricultural & Food Engineering (ATAFE), MIT Aurangabad 7-8 March, 2017, (ISSN-2277-5730)
4. Awsarmal P.R., **Agrawal R.P.** and Dahake A.G. (2017), “Design of Weir by providing Raft foundation” National Conference on “Advanced Trends in Agricultural & Food Engineering (ATAFE), MIT Aurangabad 7-8 March, 2017, (ISSN-2277-5730)
5. Hattekar G.M., **Agrawal R.P.**, Shinde S.D. and Sadgir P.A. (2019) “Composite Filter for removal for physical and chemical contaminants from Groundwater” at National Conference on Environment Pollution control and Management (EPCM) at COE Pune, 1-2 March, 2019 (ISSN)
6. Awsarmal P.R., **Agrawal R.P.** and Regulwar D.G. (2020) “Groundwater Modeling: A Review Paper” at III<sup>rd</sup> Indian National Groundwater Conference (INGWC-2020) at CWRDM Kozhikode, Feb 18-20, 2020
7. Kalayankar M.S., Dhas P.P., Sonawane V.S., Gatkal S.J. and **Agrawal R.P.** (2020) “Analysis and Treatment of Greywater by Using Natural and Chemical Coagulants” Journal of Water Pollution & Purification Research, Vol. 7 Issue 3, ISSN: 2394-7306
8. Arun Ghate, Shinde S.D., **Agrawal R.P.** and Alka Pardesh (2021) “Utilization of Irrigation Water by using Pipe Distribution Network in command area–A Case Study” International Conference Sustainable Water Resources Development and Management, SWARDAM-2021 at GEC Aurangabad, Vol.4, March 8, 2021
9. Salim Shaikh, **Agrawal R.P.**, Wadekar A.P. (2021) “Road Rainwater Harvesting – Efficient tool for Road Drainage and Groundwater Recharge” Journal of Science and Technology (JST), Vol. 6 (4), 2021

### Workshop/ /FDP/CEP/Conference organized

Workshop/FDP/CEP organized	Place	Duration
Organized 2-Days workshop on Interior Design	MIT Aurangabad	Jan 8-9, 2022
Organized one week online Value Addition Certificate Course on EPANET software	MIT Aurangabad	Aug 9-15, 2021
Organized one week online Value Addition Certificate Course on REVIT software	MIT Aurangabad	Aug 1-8, 2021
Student coordinator for AICTE ATAL FDP on	GEC Aurangabad	Jun 14-18, 2021

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Engineering Optimization Techniques and its Applications (ENOTAA-2021)		
Three day online workshop on ‘GIS and its application in civil projects’ in association with ACEP Aurangabad	MIT Aurangabad	May 14-16, 2021
Student coordinator for TEQIP-III sponsored an online International Conference on Sustainable Water Resources Development and Management SWARDAM 2021	GEC Aurangabad	Mar 8-9, 2021
One Month Online ‘Motivational Workshop’ in association with ABC Group Aurangabad	MIT Aurangabad	Aug 1-30, 2020
e-Faculty Development Program (FDP) cum Workshop on ‘Waste-To-Bioenergy’ in association with Sharda University	MIT Aurangabad	Jun 28-Jul 4, 2020
State Level-‘Techno MIT - Project Poster Competition’	MIT Aurangabad	Oct 4-5, 2019
Two day workshop on “Estimation, Costing and Valuation” in association with ACEP Aurangabad	MIT Aurangabad	Aug 21-22, 2019
Organized ‘Technical Poster Presentation’ in association with ACEP Aurangabad	MIT Aurangabad	Mar 10, 2018
Student coordinator for TEQIP sponsored 3 <sup>rd</sup> National Conference on Sustainable Water Resources Development and Management SWARDAM 2016	GEC Aurangabad	July 3-4, 2016
Student coordinator for two day conference on “Post-Graduation Colloquium” in GEC Aurangabad with ISH & IWRS Aurangabad local chapter	GEC Aurangabad	May 26-27, 2016

### NPTEL Certification

Period	Duration	Course Name
Jun-Jul 2020	4 Weeks	Programming for Everybody (Getting Started with Python) an online non-credit course authorized by University of Michigan and offered through Coursera
Jan-Apr 2020	12 Weeks	NBA Accreditation and Teaching – Learning in Engineering (NATE)
Jul-Sept 2019	8 Weeks	FDP - Teaching and Learning in Engineering (TALE-2)
Feb-Mar 2019	4 Weeks	FDP - Teaching and Learning in Engineering (TALE-1)
Jul-Aug 2017	4 Weeks	Outcome Based Pedagogic Principles for Effective Teaching

### Membership of Professional Bodies

1. “**Life Member**” at Indian Society of Hydraulics ISH (LM-1217)
2. “**Life Member**” at Indian Water Resource Society IWRS (LM-2016-7657)
3. “**Life Member**” at Indian Water Works Association IWWA (LM-2021-10227)
4. “**Member**” of Aurangabad Civil Engineer Practicing ACEP Aurangabad
5. “**Member**” of Association of Global Groundwater Scientists (SM-AGGS-018)
6. “**Life Member**” at International Association of Engineers (IAENG) (LM-196607)

### Computer/Software Proficiency

- ✓ AutoCAD, MS Office, MS Project
- ✓ SPSS, ArcGIS, QGIS, EPANET
- ✓ HEC-RAS, SWAT-MODFLOW

### Invited Expert Talk

Talk Delivered	Place	Date
Judge for Quiz Competition	MIT Polytechnic	Mar 22, 2022
Watershed Delineation using QGIS	MIT Aurangabad	May 16, 2021
Spillway and its application	JSPM's BIT Barshi	Apr 28, 2021
HEC-GeoRAS Introduction & Application	GEC Aurangabad	Nov 8, 2017
HEC-GeoRAS Introduction & Application	QGISAWRE2016	Oct 25, 2016
Basic of AutoCAD & Application	GP Aurangabad	Sept 15, 2016
Low Cost Housing	Hi-Tech Polytechnic	Sept 28, 2015
Quality Control of Concrete	Hi-Tech Polytechnic	Sept 15, 2014

### Awards, Achievements and Recognition

- ✓ Outstanding Contribution in ACEP-UltraTech Concrete Structure Award 2022
- ✓ “Outstanding District Treasurer” for Rotaract International District RID 3132 in year 2015-16
- ✓ “Outstanding Treasurer” for Rotaract Club of Aurangabad Airport RID 3132 year 2014-15
- ✓ Among topper in Master of Water Resource Engineering at GEC Aurangabad in 2016
- ✓ “Outstanding Junior Engineer” at Design Group Aurangabad in year 2013-14
- ✓ “T&P Student Coordinator” at GEC Aurangabad in year 2012-13
- ✓ Among topper of Bachelor of Civil Engineering at GEC Aurangabad in 2013

### Additional Assignments/Duties

- ✓ Departmental Project Coordinator AY 2018-22
- ✓ Departmental NAAC Coordinator AY 2017-22
- ✓ Worked as Departmental Autonomy Coordinator AY 2019-20
- ✓ Worked as Departmental Coordinator of Avishkar 2017-18
- ✓ Worked as Departmental Exam Coordinator November/December 2020 (ND2020)
- ✓ Worked as Departmental Exam Coordinator May/June 2020 (MJ2020)
- ✓ Worked as DSY Admission committee 2016-17
- ✓ Worked as Class Teacher S.Y. Civil Engineering AY 2016-17
- ✓ Worked as SIRO, R&D and Innovation Cells Coordinator AY 2016-17
- ✓ Engineering Geology Lab-Incharge

### Training/STTP/FDP/CEP Attended

<b>Sponsored STTP under AICTE/TEQIP/QIP</b>	<b>Place</b>	<b>Duration</b>
Online FDP on Innovation and Entrepreneurship	CIIE, NIT Meghalaya	Mar 22-26, 2022
Online FDP on Concepts in Measurement, Laboratory Experiment and Modelling of Atmospheric Aerosols	IIT Madras	Mar 7-12, 2022
Online STTP on Remote sensing and GIS	DYPCE Pune	Feb 21-25, 2022
Purpose Oriented Training Program through distance learning on Hydrologic Modelling System (HEC-HMS)	National Water Academy, Pune	Jul 26-30, 2021
Online FDP on " Engineering Optimization Techniques and its Applications (ENOTAA-2021) " by AICTE Training And Learning (ATAL) Academy	AICTE ATAL	Jun 14-18, 2021
5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" by AICTE	AICTE	May 24-28, 2021
Orientation/Refresher Programme on "Development of Entrepreneurship & Managerial Skills"	AICTE- ISTE	Feb 22-27, 2021
Online FDP on "Real Estate Management" by AICTE Training And Learning (ATAL) Academy	AICTE ATAL	Feb 8-12, 2021
Online FDP on "GIS & Remote Sensing" by AICTE Training And Learning (ATAL) Academy	AICTE ATAL	Jan 4-8, 2021
Online FDP on "Capacity Building" by AICTE Training And Learning (ATAL) Academy	AICTE ATAL	Dec 8-12, 2020
One week TEQIP Online - STTP on "Advanced Technologies in Water Resources Management (ATWARM-2020)"	GEC Aurangabad	Nov 23-27, 2020
AICTE Sponsored One Week Online STTP on Disaster Management And Mitigation (Phase -III)	NGPIOT Coimbatore	Oct 5-10, 2020
AICTE Sponsored One Week Online STTP on Disaster Management And Mitigation (Phase -II)	NGPIOT Coimbatore	Sept 7-13, 2020
AICTE sponsored one week online STTP on Teaching Learning Pedagogies"	AGPPI Solapur	Aug 3-8, 2020
Short Term Training Programme through ICT Mode on Modelling, Analysis and Design of Structures using latest version of STAAD	NITTTR Kolkata	Jul 27-31, 2020
FDP "Effective use of ICT Tools in Online Teaching"	MIT Aurangabad	Jun 22- Jul 4, 2020
Online FDP "Research Environmental Engineering"	PCCOE Nigdi	Jun 15-20, 2020
Online FDP "Advance Research Methodology and Innovative Teaching"	TGPCET Mumbai	Jun 8-13, 2020
Online FDP "Work ethics motivational climate and attitude development"	NITTTR Bhopal	Jun 1-5, 2020
Online FDP "Outcome based education and accreditation	IILM COE Nodia	May 25-29, 2020
'Research Methods and Techniques' by RADAV College with University of Mumbai	Mumbai University	May 4-10, 2020
"Introduction to MATLAB and its applications in Climate Smart Agriculture" by MPKV Rahuri	MPKV Rahuri	25-30 April, 2020

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“Moodle Learning Management System” on Spoken Tutorial Project, IIT Bombay and Vidyalankar School of Information Technology - Mumbai	VSIT Mumbai	20-25 April, 2020
TEQIP-III sponsored FDP “Applied Groundwater flow and contaminant transport modelling”	IIT Roorkee	24 - 28 June 2019
QIP sponsored “Advanced Computing Methods in Civil Engineering Systems”	IIT Mumbai	25 Feb -2 Mar 2019
Refresher Course on “Use of ICT for effective teaching learning”	MIT Aurangabad	8 - 12 January, 2019
FDP “Outcome based Education and NBA”	MIT Aurangabad	9 - 14 July, 2018
TEQIP sponsored FDP on “Foundation Course on Human Values and Professional Development”	SGGSIET Nanded	6 - 13 June, 2018
NITTR Chandigarh sponsored ICT mode on “Classroom Communication”	GP Aurangabad	28 May- 1 Jun, 2018
QIP sponsored “Computational Methods with applications to Fluid Dynamics”	IIT Mumbai	14 - 18 Aug, 2017
Use of ICT for effective Teaching Learning Process	MIT Aurangabad	27 Jun -1 Jul, 2017
QIP sponsored “GIS for Civil Engineers”	IIT Mumbai	15 - 19 May, 2017
AICTE sponsored "Geospatial Technology in Civil Engineering”	VJTI Mumbai	23 - 28 March, 2017
TEQIP sponsored “Hydrological Modelling using QGIS and SWAT analysis”	GEC Aurangabad	27-31 October, 2015
Hydrological Modelling using GEOSPATIAL Techniques	KIT Kolhapur	28 Jun – 2 Jul, 2015
Advanced Engineering Optimization through Intelligent Techniques (AEOTIT)	SVNIT Surat	22 - 26 June, 2015

Date: 7 May 2022

Place: Aurangabad