

RAHUL YADAVRAO NANDURKAR



Mobile No. +918698034371



rahulnandurkar@iitb.ac.in



PI-02 Ishwar Nagar Old Ring Road, Near Jattewar Hall,
Nagpur, Maharashtra, India. Post code: 440009



Date of Birth: 06th Oct. 1990

EDUCATION

| Degree | University | Institution | Year | Marks Obtained |
|---|--|--|-----------|----------------|
| Master of Technology in Geoinformatics | Indian Institute of Technology Bombay (IIT Bombay) | Center of Studies in Resource Engineering (CSRE) Indian Institute of Technology Bombay Powai, Mumbai, India 400076 www.csre.iitb.ac.in | 2014-2016 | 8.52 (CPI 10) |
| Bachelor of Technology in Civil Engineering | Walchand College of Engineering Sangli | Walchand College of Engineering Sangli, Maharashtra, India 416415 http://www.walchandsangli.ac.in/ | 2009-2013 | 6.89 (CPI 10) |

RESEARCH EXPERIENCE

(Total professional work experience: 10 Months)

Tata Research Development and Design Centre

Pune, India

Systems Engineer (August 2016- June 2017)

1. Urban Flash Flood Modelling Using Remotely Sensed Data And Hec-RAS
2. Land Use land Cover Classification using Python Scripting, PostGIS, QGIS
3. Village level groundwater assessment using Geospatial Technique

Indian Institute of Technology Bombay

Mumbai, India

Master of Technology dissertation (2015-2016)

Village Level Groundwater Assessment Using Geospatial Technique

1. Geospatial data base creation (Scanning, Digitization and generating different thematic maps)
2. Trend analysis of Rainfall (Weekly, Monthly and Yearly) and Groundwater level (Pre monsoon and Post Monsoon).
3. Estimation of Ratio of Rainfall and Groundwater Recharge at Village level.
4. LULC Change Detection from LANDSAT 7 ETM+ satellite data
5. Watershed Delineation and stream network analysis for watershed characterization using GIS
6. Estimation of Village level water demand (Drinking and Irrigation) and Groundwater recharge.

Walchand College of Engineering

Sangli, Maharashtra India

Bachelor's Thesis (2012-2013)

Landslide Hazard Mapping, Vulnerability Assessment & Mitigative Recommendation Using GIS and Remote Sensing Technology.

1. Assessed risks & hazards due to landslides using geological, morphological, physical and human causes.

2. Mapped of landslide hazardous zone in Mahabaleshwar state highway no.76 in Western Ghats
3. Proposed risk mitigation plan to government of Maharashtra.

Maharashtra Remote Sensing and Application Centre

Nagpur, India

Address Geocoding for Nagpur Urban Area (Smart City Project) (Winter Internship Dec 2015)

TECHNICAL SKILL

Languages : Python(NumPy, Matplotlib), R (SPSS), Matlab
Software and Tools: ArcGIS, Quantum GIS, ERDAS Imagine, ENVI, Hec-RAS, NEST 5.1, AutoCAD,
Automatic Hec-RAS with VBA, Microsoft Excel, Qgis Pyscripting 3D Visualization.

LIST OF PUBLICATIONS

1. "Village Level Groundwater Assessment Using Geospatial Technique" in 37th Asian conference on remote sensing, Sri Lanka (Oct, 2016).
2. "Urban Flash Flood Modelling Using Remotely Sensed Data And Hec-RAS: Pune Case Study" in 38th Asian conference on remote sensing, India (November, 2017)

CONFERENCE PAPER PRESENTATION

1. "Village Level Groundwater Assessment Using Geospatial Technique" in 37th Asian conference on remote sensing, Sri Lanka (Oct, 2016).

COURSE WORK

1. Principles of Remote Sensing
2. Principles of Satellite Image Processing
3. Principles of Geographic Information Systems
4. Physical Stochastic Hydrology
5. Urban system management techniques
6. Natural disaster assessment and management
7. Sub-surface water resource assessment and management
8. Microwave Remote Sensing

EXTRA CURRICULUM ACTIVITIES

NCC B-Certificate, Kabbadi team member at Sangli block during graduation.

POSITION OF RESPONSIBILITY

Teaching Assistantship at CSRE, IIT Bombay

DECLARATION AND SIGN OFF

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

R. Y. Nandurkar

Date: 15/Jan/2019

Signature
(Rahul Nandurkar)