

• **PROFILE –**

Mr.Rathod Ravinder assistant professor at Gokaraju Rangaraju Institute of Engineering and Technology since 2016. He graduated from IIIT BASAR in Civil engineering in the year of 2014. He did internship in an area of “Self-compacting concrete of cement and introduction to post-tensioning slab with peri-shuttering technology and Major Project in the area of “Sharp crested weirs for open channel flow measurements”. He familiar in many software like Arc-GIS, Auto-CAD, Q-CAD, Q-GIS, Envi software, Storm Water Management Model (SWMM) and WMS (Watershed Management Systems).

He did his master from JNTU Hyderabad in Water and Environmental Technology. His post-graduation work carried out in “Development of spectral library of horticultural crops and soils using Spectro-radiometer”. He is interested in Irrigation Engineering, Water Resources, Environmental Problems, Remotes Sensing and GIS, Trends in Geospatial techniques.

He has attended several online courses like NPTEL online course of 12weeks in Soil mechanics/Geotechnical Engineering – I, Successfully completed FDP (Faculty Development Programme) FDP101x and FDP102x conducted by IIIT BOMBAY in 2017 and he attended FDP at TASK on “Industry Perception in Civil engineering”.

He has secured many online certificate course Udemy 3 courses and Coursera 6 Courses

He has published 6 Scopus Papers and two International Journals, three international papers and 14 National Conference papers



Contact:

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Curriculum Vitae

Education Details:

Course	School/ College	Board/ University	Year Of Pass	Percentage/ CGPA
M.Tech (Water and Environmental Technology)	JNTU HYDERABAD	JNTU HYDERABAD	2016	76.6
Civil Engineering (B-Tech)	RGU-IIIT BASAR	RGUKT	2014	7.24
MBiPC (PUC)	RGU-IIIT BASAR	RGUKT	2010	7.98
SSC	ZPHS Shankarampet(A)	AP BOARD	2008	84.33%

Experience & Other Academic Contributions:

He has 3 Years of teaching experience.

He has attended many online and offline courses like and published many papers in CONFERENCES, NPTEL, UDEMY, COURSERA, FDPs, WORKSHOPS, WEBINARS/SEMINARS

Major Career Interests:

Irrigation Engineering,
Water Resources management
Watershed management
Environmental Problems,
Remotes Sensing and GIS,
Trends in Geospatial techniques.

Association with Professional Bodies

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Research Interests:

Environmental Problems solving
Remotes Sensing and GIS,
Water resources management

Subjects Taught:

- Remote sensing and GIS
- Water Resources Engineering I
- Highway Materials lab
- Fluid Mechanics lab
- Hydraulic & Hydraulic Machinery Lab
- Irrigation Design and Drawing
- Environmental Engineering Lab
- Design Thinking

Journal Publications/Conference Proceedings:

International Journals	7
National Journals	2
International Conferences	-
National Conferences	14
Total =	23

ACHEIVEMENTS AND AWARDS**INVITED LECTURES**

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PROFESSIONAL PROGRAMS ATTENDED:

- Successfully completed 2Weeks Training Program Global Initiative Academic Networks (GIAN) at JNTUH on “Urban Disaster risk Reduction using Geospatial Technologies” sponsored by MHRD.
- **Five Day Faculty Development Program** organized by Department of Civil Engineering, Nagpur Institute of Technology on Advances in Civil Engineering from 26-05-2020to 30-05-2020.(Nagpur Institute of Technology)
- **FDP One Week AICTE MARGDARSHAN FDP on Art of Writing Papers and Research Methodologies** during 07 - 13 May 2020.(GRIET)
- **FDP** on Recent Advances in Civil Engineering from 20th - 22nd May 2020.
- **FDP** on Global Trends in Civil & Infrastructural Engineering (GTCIE-2020) From 26th – 30th May, 2020 (IAE).
- **FDP** on Emerging Trends in Infrastructure & Structural Engineering (ETISE - 2020) from June 02nd – 06th 2020 (MLRIT)
- **FDP** on Machine Learning for Beginners organized by ECE, Sphoorthy Engineering College on May 03rd 2020.
- **FDP** on Moodle Learning Management System training organized at Sreyas Institute Of

Engineering & Technology in January 2020 semester completed on May 30th 2020

- **FDP** on Water and Environmental Modelling using MIKE, Remote Sensing and GIS Applications organized by Satya Institute of Technology and Management (SITAM) from 13th – 17th 2020.
- **FDP** on “Online Tools & Software for Remote Teaching - Learning” held during 24th & 25th of April, 2020 organized by UGC-HRDC, JNTUH, Hyderabad, Telangana State.
- **FDP** on Recent Advances In Concrete Technology & Sustainable Infrastructure” during 21 – 23 May, 2020. (GRIET)
- **FDP** on Recent Trends on Civil Engineering held from 10th -12th June 2020, organized by Geethanjali Institute of Science and Technology.
- One Week FDP on “Research Challenges and Opportunities Post COVID-19 (RECOP 2020)” organized by Research & Development Cell and Institution’s Innovation Council of Sri Vasavi Engineering College (Autonomous) during 4-9 May 2020.
- **FDP** on “Recent Advances in Civil Engineering” from 22nd -24th June 2020 organized by S.A.Engineering college , Chennai.
- One week **FDP** (Faculty Development Program) conducted by GRIET in 2016.
- One week **FDP** (Faculty Development Program) conducted by IIIT BOMBAY in 2017.
- **FDP** (Faculty Development Program) conducted by TASK on “Industry perception in Civil Engineering” on 28th Sep 2018.
- One week **FDP** on “Hydraulics and Hydraulic machines” held from 27-01-2020 to 31-01-2020 organized by UGC- Human Resource Development Centre JNTUH.

Sponsored Projects

Publications

LIST OF PAPER PUBLICATIONS

JOURNALS:

❖ INTERNATIONAL:

1. Magudeaswaran., P., Vivek Kumar, C, **Ravinder R** “Prediction of strength and durability properties of HPC composites using Adaptive Neuro-fuzzy Inference System” E3S Web of Conferences. Volume 184, 2020, 2nd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED 2020) published on 19th Aug 2020.
2. Vittalaiah, A., **Ravinder R.**, Vivek Kumar, C. “Study on effect of strength and durability parameters and performance of Self Compacting Concrete replacement with GGBS at different dosages” 2020 E3S Web of Conferences. E3S Web of Conferences. Volume 184, 2020, 2nd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED 2020) published on 19th Aug 2020.
3. Venkatcharyulu S., **Ravinder R**, Kamala Raju, Y “Evaluation of Groundwater Quality of Bachupally, Nizampet and Pragathinagar Village” 2020 E3S Web of Conferences. E3S Web of Conferences. Volume 184, 2020, 2nd International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED 2020) published on 19th Aug 2020.
4. **Rathod Ravinder**, Penki Ramu, T.Srinivasarao “Flood risk assessment using remote sensing and GIS for Anigunta Watershed, Telangana” International Journal of scientific & Technology Research, volume 09/issue 03 March 2020 Page 6027-6036, ISSN: 2277-861
5. Dr. Giridhar, M. V.S.S, **Rathod Ravinder** , Sowmya, P “Spectral Response For Different Soils Under Varying Moisture Conditions”, 37th Asian Conference on Remote Sensing, ACRS Oc- 2016, volume 03 page 483-491, ISSN:9781510834613.
6. **Mr. Rathod Ravinder**¹, K.Bhanu shiva prasad², D.Bhaswanth³, K.Sudheer Chowdary⁴, P.Shashank⁵ “Mechanical properties of concrete with a Partial Replacement of Cement with Bagasse Ash” International conference in Civil Engineering Sustainability on 28th - 29th Feb, 2020 in Gokaraju Rangaraju Institute of Engineering and Technology.
7. **Mr. ¹Rathod Ravinder**,^{2,3,4,5} G Sai Tanmayi, K Bhavana Sai , M Haleema, V Mrunasree “Study Of Rolling Barrier System” International conference in Civil Engineering Sustainability on 28th -29th Feb, 2020 in Gokaraju Rangaraju Institute of Engineering and Technology.

❖ NATIONAL:

1. **Mr. Rathod Ravinder**, Dr. M.V.S.S Giridhar, P.Sowmya, , “*Spectral Response Of Tomato Crop In Uncontrolled And Controlled Farming*”, National Conference on Water Resources Management in Coastal Regions , Deltaic Regional Centre, National Institute of Hydrology, Kakinada, AP., 8th -9th December, 2016.
2. A. Vittalaiah¹ , Dr.E.C.Nirmala Peter² and Rathod Ravinder³ “Improvement of Soft Clays using Stone Columns With and Without Encasement” Indian Geotechnical Conference December 147-19, 2020

CONFERENCE PROCEEDINGS:

❖ INTERNATIONAL:

❖ NATIONAL:

1. **Mr.Rathod Ravinder** , C.Vivek Kumar, Akula prakash, A.Vittalaiah & P.V.V.S.S.R Krishna (2019) “Strength Characteristics Of Fibrous Self Curing Concrete Using Super Absorbent Polymer” National Conference on Recent Advance in Civil Engineering , organized by JNTUH CE, ISBN No. 978-93-8830-599-0 pp:21-25
2. **Mr. Rathod Ravinder**¹, Suruboyina Datta Sai Yadav², M.Sai Kumar Goud³, Ammisetty Avinash⁴, Sai charan Dubey⁵(2019) “Selection Of Suitable Site For Rain Water Harvesting Structure By Using RS & GIS For Anigunta Watershed, Sangareddy Telangana state” National Conference on Recent Advance in Civil Engineering , organized by JNTUH CE, ISBN No. 978-93-8830-599-0 pp:456-460.
3. A.Vittalaiah, Akula Prakash & **Mr.Rathod Ravinder** (2019) “Effect of Geotextile on CBR Strength of Unpaved Road with Soft Subgrade” 6Th National conference NCWES-2019, on 5th – 7th June, ISBN No: 978-93-88305-98-3, pp.265-271.
4. **Mr.Rathod Ravinder**, A.Vittalaiah, Akula Prakash & “Repair and Rehabilitation of RCC Structures”6Th National conference NCWES-2019, on 5th – 7th June ISBN No:978-93-88305-98-3, pp.425-430.
5. Mr. Akula Prakash and **Rathod Ravinder** (2018). “*Analysis On Green Building (Case Study: GRIET, Hyderabad, India)*”, 5th National Conference on Water, Environmental and Society (NCWES-2018), 4th – 6th June, Organised by Centre for Water Resources, Institute of Science and Technology, JNTUH. ISBN : 978-93-87593-72-5, PP 434-443
6. **Mr.Rathod Ravinder**, Akula Prakash, M. Govardhan, Ch. Chaitanya Lakshmi and Varala Akhila (2018). “Estimation of Residential Building Using Low Cost Materials”, 5th National Conference on Water, Environmental and Society (NCWES-2018), 4th – 6th June, Organized by Centre for Water Resources, Institute of Science and Technology, JNTUH. ISBN: 978-93-87593-72-5, PP 444-447.

7. Mrs. Kandlagunta Mounika, Akula Prakash and **Rathod Ravinder** (2018). “Laboratory Study of Bituminous Mixes Using Sisal Fiber”, 5th National Conference on Water, Environmental and Society (NCWES-2018), 4th – 6th June, Organised by Centre for Water Resources, Institute of Science and Technology, JNTUH. ISBN : 978-93-87593-72-5, PP 448-454.
8. **Mr. Rathod Ravinder**, K. Sagarika, K. Deepthi, P. Alekya Reddy, R. Spandana and S. Sruthi (2018), “Study on Compressive Strength of Concrete on Partial Replacement of Cement With Ground Granulated Blast Furnace Slag (GGBS)”, 5th National Conference on Water, Environmental and Society (NCWES-2018), 4th – 6th June, Organised by Centre for Water Resources, Institute of Science and Technology, JNTUH. ISBN : 978-93-87593-72-5, PP 475-481.
9. Vangala Savinai, **Mr.Rathod Ravinder**(2017) “Application of Remote Sensing and GIS in Hydrological Modeling” 4th National conference on Water, Environment and Society NCWES 2017, on 16th -18th March ISBN: 978-93-5230-182-9
10. Mr.Rathod Ravinder¹,Dr.Giridhar M.V.S.S² and Sowmya P³ “Spectral Reflectance from the Tomato Crop Canopy under Controlled Condition by using Spectroradiometer” 4th National conference on Water, Environment and Society NCWES 2017, on 16th-18th March ISBN: 978-93-5230-182-9
11. Mr.Rathod Ravinder¹,Dr.Giridhar M.V.S.S² and Sowmya P³ “Spectral Response o cluster beam crop” 4th National conference on Water, Environment and Society NCWES 2017, on 16th-18th March ISBN: 978-93-5230-182-9.
12. Mr.Rathod Ravinder, H.M.Vijaya and A. Prakash (2017) “Properties Of Self-Compacting Concrete With Peri-Shuttering Technology” 2nd International Conference (Recent Innovations In Engineering And Technology) Organized by ICRIEAT-2017, ISBN Number 978-93-86647-85-6.
13. Mr. Rathod Ravinder (2017) “Spectral Reflectance of Brinjal Crop Canopy With Stages” Organized by National Conference Rice Dec 2017 @ GRIET.
14. Dr. M.V.S.S Giridhar, P.Sowmya, Rathod Ravinder, “Hyperspectral Response pattern of Red soils under varying moisture conditions”, 3rd National conference on Water, Environment and Society NCWES 2016, ISBN No.978-98-5230-124-9, pp.372-376.

Books /Chapters

PhD Supervision

Professional Work

Visits Abroad