



CURRICULUM VITAE
Dr.KULKARNI SHASHIKANTH
Department of Civil Engineering
University College of Engineering
Osmania University
Hyderabad- 500007
+919440951800
kulkarni.shashikanth@gmail.com
kulkarni.shashikanth@osmania.ac.in

h-index:8 i10 index :4 Total Citations: 209
Google Scholar Citations<<https://scholar.google.com/citations?hl=en&user=17K81tIAAAAJ>>
Profile URL: <https://vidwan.inflibnet.ac.in/profile/582667>

Name : Prof. K.SHASHIKANTH
Present Designation : Professor (AGP 10000)

1) EDUCATIONAL QUALIFICATIONS

- ❖ **PhD: Indian Institute of Technology, Bombay (IITB) (8.40 CGPA)**
- ❖ **M.E: Master of Engineering (WRE) (University Visvesvaraya College of Engineering, (UVCE) Bangalore, Bangalore University) (74.97%)**
- ❖ **M.Tech: Master of Technology (ComputerScience) (JNTU, Hyderabad) (77.45%)**
- ❖ **B.Tech: Bachelor of Technology (CivilEngg) (SVU, Tirupati) (69.4%)**

PhD Thesis: Statistical Downscaling and Assessing Uncertainty for Regional Projections of Indian Monsoon. (Cleared the First stage for Best PhD thesis award).

ME Thesis: Hydrological Investigations in the Environmentally Degraded Attappady valley of Nilgiri Biosphere Reserve. Did my Thesis work Centre for Water Resources Development and Management Kozhikode, Calicut India.

I have achieved the rare distinction of completing an additional M.Tech degree in Computer Science from JNTUH Kukatpally, Hyderabad.

2) TEACHING & RESEARCH EXPERIENCE

Over 25 years of Excellence in Teaching and having taught diverse Civil Engineering courses since 1996 to till date at University College of Engineering, OU and other good Institutions of repute such as CBIT, MGM' s College of Engineering, Nanded, Maharashtra. Further, Research and Development (R&D)experience since 2011. Furthermore, possessing significant administrative rolessuch as Controller of Examination OU, Addl. Controller Examination Branch, OU, Chairperson BoS (A) for curriculum development in Civil Engineering Department, Joint Director (PG) Exam Cell, OUCE, Public Relations office (PRO) and worked Faculty Advisor, ME course.

3) EMPLOYMENTS

S. No	Organization	Post Held
1	University College of Engg. O.U	Professor
2	University College of Engg. O.U	Associate Professor
3	University College of Engg. O.U	Asst. Professor (Sr. Scale)
4	CBIT,Hyderabad	Asst. Professor (Sr.Scale)
5	S.S.J. College of Engineering, Mahabubnagar	Lecturer
6	M.G.M's College of Engg Nanded (MS)	Lecturer

4) AREAS OF RESEARCH INTERESTS

- ❖ Statistical Downscaling for climate change Impact Assessment studies
- ❖ Uncertainty Modelling
- ❖ Hydrological Extremes
- ❖ Soft Computing Applications
- ❖ GIS Applications
- ❖ Surface Water Hydrology

5) SPONSORED RESEARCH PROJECTS

On Going

1. **DST ANRF (SERB) CRG (Govt of India)** has sanctioned project titled **Assessment of Climate Change Impacts on Indian Monsoon Precipitation using New Age CMIP6 Dataset: Implications to Water Security in the Godavari and Narmada Basins (2023)** Amount Sanctioned **Rs.36,33,360** **DST-SERB-CRG CRG/2022/003772 (on going)**

Co-Pi: Dr. Harish Gupta

2. **DST ANRF (SERB) CRG (Govt of India)** Project titled **Influence of Terrestrial feedbacks on Rainfall and Assessment of Droughts and Extremes under climate change** Amount Sanctioned **Rs.44,18,620** **DST-SERB-CRG CRG/2022/004423 (on-going)**

PI: Dr. Amey Pathak IITKharagpur

COMPLETED

3. Co- Principal Investigator for the AC-IWRM Govt of Karnataka sponsored research project on “ Assessment of Climate Change Impact on Precipitation and Stream flow in Middle Krishna (K2), Ghataprabha (K3), Malaprabha (K4), and Lower Bhima (K6) sub basins of Krishna Basin “. (2018-2019).

Main principal investigator:

PI; Dr Nagaraj Patil, VTU

4. Completed UGC Project titled ‘**Impacts of climate change on Indian summer monsoon rainfall (ISMR) and temperature distribution in the India (2017-2019)** sanctioned by UGC Minor Research Project(UGC-MRP) **Amount: 1.49 Lakhs)**
5. Successfully **Completed TEQIP** Sponsored R&D Project on ‘**Extreme Rainfall Projections of Indian Summer Monsoon Rainfall for 21st Century. (2017)** **Amount sanctioned 0.80 Lakhs**

6. Consultancy Projects Handled

1. Involved in the Consultancy Projects of **Mission Bhagiratha** Govt. of Telangana for the Districts of Ranga Reddy, Adialabad, Nirmal, Nalgonda. Consultancy mainly consists of Vetting of Hydraulic Design of Pipe networks both primary and secondary networks including Surge Analysis of the Dream and Flagship Project of Govt of Telangana.

2. **Involved in the consultancy and vetting of HMWSSB –CGM (E)- STP Circle –II - Construction of 16 STPs of 493.5 MLD capacity in HAM Mode for ULBs between GHMC and ORR including Mom for a period of 15 years under AMRUT 2.0 (TRANCHE III) package –I –for 36.5 MLD STP at Hyderabad Public School with Sequential Batch Reactor(SBR) Technology**
3. **Involved in the consultancy and vetting of HMWSSB –CGM (E)- STP Circle –II - Construction of 16 STPs of 493.5 MLD capacity in HAM Mode for ULBs between GHMC and ORR including Mom for a period of 15 years under AMRUT 2.0 (TRANCHE III) package –I –for 36.5 MLD STP at Nallacheruvu-II.**
4. Involved in the consultancy and vetting of Sewerage treatment plants (STPs) of 0.7 MLD, 1 MLD and 1.5 MLD capacities in Telangana state. (2020)
5. Expert Technical committee member meeting on 04.10.2019 at 4.00 PM at TSIIC Head Office for Setting up of Waste Water Treatment Plant along with 5 years of maintenance in COWE at Automotive & Engineering Cluster at Kallakal (V), Medak (Dist) on “Design, Engineering, Construction, Supply, Installation, Testing, Erection & Commissioning.
6. Involved in the consultancy and vetting of Sewerage treatment plants (STPs) of 225 MLD at Amberpet, 33.5 MLD at Mullakatwa (2022)
7. Involved in the consultancy and vetting of Sewerage treatment plants (STPs) of 30 MLD at Ramacheruvu 10.08.2022
8. Vetting of Surge Analysis report & Protection Requirement from Raw water intake to WTP Dhanora for L& T Co. as part of Mission Bhageeratha works Providing drinking water to Komarambheem –Asifabad segment in Adilabad District (2016).
9. Vetting of Hydraulic design of pipe networks under Mucherla segment, for TDWSP Mission Bhagiratha – Providing drinking water- Srisailam segment (2016).
10. Vetting of Surge Analysis report & Protection Requirement from WTP Dhanora to Kesalguda sump for L&T as part of Mission Bhageeratha works (2018).
11. Vetting of Hydraulic Design of Pipe Networks (HDPN)- of Kasturbahi- Luxtipet - Narayanpur - Shettipally-Ponnaram- Srirampur-Sundaraya Colony- Kotpally 2017
12. Vetting of Hydraulic Design of Pipe Networks (HDPN)- khanapur constituency- Kaddam Segment- Adilabad Dist. 2017
13. Vetting of surge analysis of 300 Kl Mucherla- 1000 Kl Mucherla 2017
14. Vetting of Hydraulic Design of Pipe Networks (HDPN) -urge analysis of 1000mm dia DI K9 raw water pumping. main karkalpahad pump house to Mucherla HW aerator 2018
15. Vetting of HMWSSB - Construction of 17 STPS at KukatpallyNala CatchmentHussainsagar Lake Catchment-Decentralized) under Sewerage Improvement Project of Sewerage Master Plan of Hyderabad Urban Agglomeration under Hybrid Annuity-proof checking and vetted designs of 212.50 MLD STP at Amberpet under Uppal Circle with Sequential Batch Reactor (SBR)2022

16. Vetting of **HMWSSB** - Construction of 17 STPS at Kukatpally Nala Catchment (Hussainsagar Lake Catchment-Decentralized) under Sewerage Improvement Project of Sewerage Master Plan of Hyderabad Urban Agglomeration under Hybrid Annuity Mode of contract including MOM of the plants for 15 years period – process calculations (BEP) for 14 MLD Shivalaya Nagar under Qutbullapur Circle with Sequential Batch Reactor (SBR) Technology. 16.03.2022
17. Vetting of STP design and drawings 1.00 MLD at Ameenpur – of Patancheru
18. Vetting of Sewerage Improvement Project of Sewerage Master Plan of Hyderabad Urban Agglomeration under Hybrid Annuity Mode of contract including MOM of the plants for 15 years period - proof checking and vetted designs of 15 MLD STP at Kokapet Hyderabad under Uppal Circle with Sequential Batch Reactor (SBR) Technology 06.04.2022
19. Vetting of HMWSSB - Construction of 8 STPS of 402.5 MLD capacity (Decentralized) along North of Musi under Sewerage Improvement Project of Sewerage Master Plan of Hyderabad Urban Agglomeration under Hybrid Annuity Mode of contract including MOM of the plants for 15 years period – proof checking and vetted designs of 30 MLD MLD STP at Nallacheru (02.01.2023)
20. Vetting of HMWSSB- Sewerage Improvement Project of Sewerage Master Plan of Hyderabad Urban Agglomeration under Hybrid Annuity Mode of contract including MOM of the plants for 15 years period – Submission of proof checking and vetted designs of 41.5 MLD STP at Miralam-I Hyderabad with Sequential Batch Reactor (SBR) Technology (05.04.2022)
21. Vetting of **HMWSSB**- Sewerage Improvement Project of Sewerage Master Plan of Hyderabad Urban Agglomeration under Hybrid Annuity Mode of contract including MOM of the plants for 15 years period – proof checking and vetted designs of 320 MLD STP at Nagole Hyderabad with Sequential Batch Reactor (SBR) Technology (17.05.2022)
22. **Vetting of -HMWSSB**-Construction of 8 STPS of 402.5 MLD capacities (Decentralized) along North of Musi under Sewage Improvement Project Sewerage Master plan of Urban Agglomeration under Hybrid Annuity Mode of contract including O&M the for 15 years Package I – Process calculation (BEP) for 5.5 MLD Hydraulic Vetting of 5.5 MLD STP at Safilguda 30.03.2022
23. Vetting of Laying of Trunk Sewer Mains from Murki Nala to Nagole Sewage treatment plant i.e. towards North side of the existing pipe line proof checking (Ramky) 10.02.2023
24. Vetting of surge analysis report of Srisailem Segment (2018).

7) Publications

a) International Journals

1. **Shashikanth Kulkarni**, T Anurag, Mohammed Hussain, S.V.S.N.D.L Prasanna&VittalHari (2022) Comparison of multi-objective and single objective calibration for SWAT model: a case study on Musi river basin, India, *ISH Journal of Hydraulic Engineering*, 29(5), 714–721. DOI: 10.1080/09715010.2022.2120369. IF 4.00 (Scopus) 0971-5010 (IF: Impact factor)
2. Divyasankar, **Shashikanth Kulkarni**, AmiyaBhumik (2022) Fuzzy Inference system based Risk Management in complex Civil Engg projects, *NeuroQuantology*, Volume 20, Issue 10, page 11334-11342,doi: 10.14704/nq.2022.20.10.NQ551098 (Scopus) IF1.3 (Web of Science). IF 1.3 1303-5150)
3. DivyaSankar, **Dr.Kulkarni Shashikanth**, Dr.AmiyaBhaumik,Dr (2022) Applications of ANFIS in Civil Risk management, *NEUROQUANTOLOGY*, VOLUME 20, ISSUE 15, PAGE 532-541, | DOI: 10.14704/NQ.2022.20.15.NQ88054 Impact Factor 1.3 (Web of Science) IF 1.3
4. RangineniPallavi, K. Rekha Rani, **Kulkarni Shashikanth**, P. Rajasekhar&HiteshriShashtri (2022) Intricate Flood Flow Advancement Modelling In The Krishna River Sub Basin, India, *ISH Journal of Hydraulic Engineering*, DOI: 10.1080/09715010.2021.2019134. IF 4.00 (ISSN: 09715010)29(2), 199–208.
5. **Shashikanth K** and SubimalGhosh (2022) Regional Comparison of CMIP3 and CMIP5 Precipitation Characteristics” May - July 2022 issue (Volume No: 17, Issue No: 4; i-manager’s Journal on Future Engineering and Technology. Paper id: JFET00405.
6. MohdHussain, **Shashikanth K**, Srividya Devi, Anurag T, Nikhitha K, ANusha K (2022) Application Of Multiple Linear Regression And Artificial Neural Networks In River Water Quality Modeling To Predict Dissolved Oxygen In Rivers: A Case Study Of Krishna River In India at 13th INTERNATIONAL CONFERENCE ON MATERIALS PROCESSING AND CHARACTERIZATION in AIP Publishing (Accepted)
7. Suriseti, D. S., **Kulkarni**, S.,and Naveen, K. (2021). Sustainable Development Initiatives through ISO 9001:2015. *International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies*, 12(8), 12A8I, 1-10. <http://doi.org/10.14456/ITJEMAST.2021.156> (Web of Science) IF 1.3
8. Alekhya, G.B S, **K. Shashikanth**, M Anjaneya Prasad (2022) Risk Assessment Of Cost Overrun Using Fuzzy Logic Model, *Materials Today: Proceedings* (Elsevier) ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2021.12.415> IF 2.30 . Vol 62, pp1803-1810
9. Nagraj S. Patil, ShrutiKambalimath, SnehaSyamprasad and **Shashikanth Kulkarni** (2018) comparison of LS_SVM and ANN methods for downscaling of precipitation, *International Journal of Advance and Innovative Research* (UGC Approved) Volume 5, Issue 3 (IV) PP 61-68, ISSN 23947780.

10. **K Shashikanth**, Rajasekhar Reddy, M Anjaneya Prasad (2018) Temperature Projections from GCMs using Quantile Remapping Method , International Journal of Applied Engineering Research (UGC Approved) ISSN 0973-4562 Volume 13, No. 11, 8922-8924.
11. **K Shashikanth** , M Prashanthi (2018) Indian Summer Monsoon Rainfall Extremes Projections Using Block Maxima Approach (2018) , International Journal of Applied Engineering Research (UGC Approved) ISSN 0973-4562 Volume 13, No. 11, 8925-8928.
12. Aditya G, Vittal H, **K Shashikanth**, Ghosh, S., Karmakar, S. (2018) Role of Vertical Velocity in Improving Finer Scale Statistical Downscaling for Projection of Extreme Precipitation Theoretical and Applied Climatology (Impact factor: 3.41). (Vol 137,791-804, <https://doi.org/10.1007/s00704-018-2615-1>)
13. M. Anjaneya Prasad, **K. Shashikanth** , M. RedyaNaik, M. Narender Reddy (2018), WATER DISTRIBUTION NETWORK MODEL USING EPANET, International Journal of Emerging Technology and Advanced Engineering (UGC Approved) ISSN 2250-2459. <https://ijetae.com/Volume8SpecialIssue5.html>. PP 225-229, Vol. 8 Special Issue, May, 2018.
14. **Shashikanth, K.**, Prashanthi. M, (2017) Modeling of Extreme Rainfall Projections of Indian Monsoon under Climate Change, Indian Journal of Scientific Research (UGC Approved Journal) Indian J.Sci.Res. 15 (2): 15-19, 2017, ISSN: 09762876.
15. C.G. Madhusoodhanan , **Shashikanth Kulkarni** , T.I.Eldho, SubimalGhosh (2017) Multi model consensus among GCM simulated and Statistically downscaled Indian summer monsoon rainfall for the 21 st century, International Journal of Climatology, DOI: 10.1002/joc.5352. Royal Meteorological Society. ISSN: 0899-8418, (Impact Factor, 3.76). Volume 38, Issue 5, 2449-2461
16. **Shashikanth Kulkarni** , Ghosh, S., Vittal H, Karmakar, S. (2017) Future Projections of Indian Summer Monsoon Rainfall Extremes over India with Statistical Downscaling and its Consistency with Observed Characteristics, Climate Dynamics (Springer Publications) DOI 10.1007/s00382-017-3604-2. (31 Citations, Impact factor: 4.901) (Vol 51, 1-15).
17. **Shashikanth, K.**, P. Rajasekhar, Satyanarayana D (2015) Future Temperature Projections for India for climate change studies, Biohouse Journal of Research in Engineering, Biohouse, Volume 1: Issue 3, Sept-Oct 2015, ISSN 2379-1535.
18. **Shashikanth, K.**, C.G. Madhusoodhanan, SubimalGhosh, T.I. Eldho, K.Rajendran, Raghu Murtugudde (2014) Comparing statistically downscaled simulations of Indian monsoon at different spatial simulations Journal of Hydrology (Elsevier Publications) <http://dx.doi.org/10.1016/j.jhydrol.2014.10.042> (45 Citations : Impact factor 6.708) Vol 519 Part D PP 3163-3177
19. **Shashikanth,K.**, Salvi, K., Ghosh, S. and Rajendran, K. (2013), Do CMIP5 Simulations of Indian summer Monsoon Rainfall Differ from those of CMIP3?, Atmospheric Science Letters, doi:10.1002/asl2.466. (62 Citations : Impact factor 2.15 (Vol 15, Issue 2, pp79-85)
20. **K.Shashikanth**, SubimalGhosh (2013) Fine Resolution Indian summer Monsoon Rainfall Projection with Statistical Downscaling International Journal of Chemical,

21. Naga Prapurna, **K.Shashikanth** (2002) A research paper on “Pollution level in Hussein Sager Lake of Hyderabad – A case study was published in the international Journal Pollution Research (Poll Res. 21(2) : 187-190-2002)

b) International Conferences

1. **Amey Pathak, Ark Raj, Kulkarni Shashikanth (2024) GC01-85** Statistical Downscaling of CMIP6 based Monsoon Rainfall over India and its Assessment AGU Fall Meeting 8-13, December, 2024 Washington. USA.
2. B. Shirisha, S. Anjaneyulu, Khushali Gohil, Shashikanth Kulkarni (2025) IoT Based Sewage Overflow Detection and Harmful Gas Monitoring System, ASCE International Conference On Challenges And Innovations For Sustainable Smart Cities (CISSC-2025) at Chandigarh India Feb 7-9, 2025.
3. **K.Shashikanth**, S. Ghosh and K. Rajendran (2012), Fine scale projections of Indian monsoonal rainfall using statistical models, **AGU Fall Meeting, 3-7 Dec 2012, San Francisco, California, USA..**
4. **K.Shashikanth**, KaustubhSalvi, SubimalGhosh, K.Rajendran (2013), Statistical Downscaling of Indian Summer Monsoon Rainfall under future climate change **HYDRO International Conference** IITM, Chennai, December 2013.
5. Ashwini Jain,**Shashikanth Kulkarni**, SubimalGhosh, Partha P. Mukherjee (2013) Projecting Wind Energy potential Under Climate Change With Ensemble of Climate Model Simulations **AGU Fall Meeting**, 9-13 Dec 2013, **San Francisco, California, USA.**
6. **Sainath Reddy, M Srikanth, N. Rajesh Goud, K. Shashikanth Performance Comparison of Aerofoils Using ANSYS in the conference Innovative Trends in Hydrological and Environmental Systems (ITHES 2021) held in NIT Warangal, 2021.**
7. Ch.Snigdha, HrushiVarma, K. Naga Prathyusha, SaiChetana, **K Shashikanth** (2023) “IoT-BASED SMART WASTE MANAGEMENT SYSTEM” at 2 nd International Conference on Emerging Trends in Engg (ICETE23) at UCE, OU, Hyderabad conducted during April 28-30, 2023.
8. K Naresh, **K Shashikanth**, M Narendar Reddy, Sridhar Nune (2019) “ Evalauation of Critical Success factors for Mission Bhagiratha Scheme by using FAII Method and Fried Man’s test at Hydro 2019 International Conference Organized by UCE, OU under the aegis of Indian Society for Hydraulics during 18-20, December, 2019.
9. NavyaSindhu., R.Pallavi, **K Shashikanth** and Madhavi (2019) Urban Storm Water Management using SWMM : A case study on Hyderabad City at Hydro 2019 International Conference Organized by UCE, OU under the aegis of Indian Society for Hydraulics during 18-20, December, 2019 City at Hydro 2019 International Conference Organized by UCE, OU under the aegis of Indian Society for Hydraulics during 18-20, December, 2019.

10. Nagendra, NagrajPatil, **K Shashikanth**, Nataraj M (2019) Assessment of Climate Extremes over Ghataprabha sub basin of Krishna Basin, India at Hydro 2019 International Conference Organized by UCE, OU under the aegis of Indian Society for Hydraulics during 18-20, December, 2019 City at Hydro 2019 International Conference Organized by UCE, OU under the aegis of Indian Society for Hydraulics during 18-20, December, 2019.
11. **Shashikanth K** and SubimalGhosh (2022) Robust Signals of Precipitation characteristics from CMIP5 models over CMIP3 International Conference on “Climate Change Impact on Ecosystems: Mitigation and Adaptation” - 22-24 September, 2022, Organized by Engineering Staff College of India, Hyderabad, India.
12. **K.Shashikanth**, Prof. M A Prasad, D. Siva Rama Krishna Sarma (2016) Selection of Suitable Sites for Water Harvesting Structures in Osmania University Campus, using RS and GIS, **HYDRO** International Conference organized by CWPRS, Pune under the aegis of Indian Society for Hydraulics during 8-10, December, 2016.
13. RenukaRaju, P .Rajasekhar and.**K.Shashikanth** (2016) A study on Spatial Distribution of Fluoride Using GIS in Nalgonda District of Telangana, **HYDRO** International Conference organized by CWPRS, Pune under the aegis of Indian Society for Hydraulics during 8-10, December, 2016
14. Shruthi, Rajasekhar, **Shashikanth. K** (2015) Impact of Climate Change on Stream Flows in Manair Basin Using SWAT Model, IC-ISE, at OU, from 14-16, December.
15. **Shashikanth, K** and Sukumar (2015) Simulation of Indian monsoon rainfall for future using GCM model outputs, IC-ISE (International Conference on Innovations in Structural Engineering), at OU, from 14-16, December.
16. **Shashikanth Kulkarni** and Prashanthi (2017) Modeling of Extreme Rainfall Projections of Indian Monsoon under Climate Change at the International conference on Recent Innovations in Engineering and Technology (**ICRIET-2017**) on 12th March, 2017 at Bhubaneswar, Odisha, India.
17. **Shashikanth Kulkarni** (2011) Determination of Residual chlorine in an intermittent water distribution system 4th International conference perspective on water resources & the Environment, [**ASCE-EWRI**] National University of Singapore, Singapore, January, 4-6, 2011.
18. **Shashikanth, K.**, P.Rajasekhar (2010) “Hydrological Investigations in the Environmentally degraded Attappady Valley of Nilgiri Biosphere Reserve” at the International Conference on Hydrology and Watershed Management Organized by Centre for Water Resources, JNT University, Hyderabad during 18-20 December 2002.
19. **K.Shashikanth**, Y.SreeRamulu “Post Tsunami Environmental Management “published at the International conference on Natural Hazards and Disaster Management (IC-NHDM-2007) at CBIT from 12-14 December, 2007.
20. I.V.Murali Krishna, VV NageswaraRao, Y.SreeRamulu, **K.Shashikanth** (2007) “Integration Natural Hazards into the Environmental Impact Assessment Process (NHIA)” at the International conference on Natural Hazards and Disaster Management at CBIT during 12-14 December 2007.

21. **K.Shashikanth**, Naga Prapurna (2001) Removal of heavy metals in industrial effluents by using sugar baggasse – A case study” at an International Conference (ICIPACT-2001) at JNTU, Hyderabad from 7-9 December 2001.
22. **K.Shashikanth**, S.UmaMaheswara Reddy (2001) “Air Pollution Management in a Sulphur based Chemical Industry – A case Study” at an International Conference (ICIPACT-2001) at JNTU, Hyderabad from 7-9 December 2001
23. Amey Pathak, Ark Raj, **Kulkarni Shashikanth (2025)** Assessing Future Consecutive Dry And Wet Days In Central India : A CMIP6 Downscaling Approach AGU Fall Meeting 15-19, December, 2025, New Orleans, Louisiana, USA (Accepted).
24. **Shashikanth Kulkarni**, Kushali Gohil, Harish Gupta, Amey Pathak (2025) Climate Change Impacts North Indian Region using CMIP6 Model Outputs at the XIIth Scientific Assembly IAHS 2025 scheduled from 5-10 October 2025 at IIT Roorkee.

c) Indian Conferences

25. **Shashikanth, K** and Subimal Ghosh (2016) High resolution modeling of extremes projections of ISMR under climate change, under DRIP conducted by CWC, KWRD and IISc, 12-13, January, 2016 at IISc, Bangalore.
26. K Shashikanth and Subimal Ghosh (2017) “ Ranking Of GCMs Based On Bayesian Model For Indian Summer Monsoon Rainfall” National Conference on Sustainable Water and Environmental Management (SWEM - 2017) held during 21-23, December, 2017 at JNTU Hyderabad.
27. **Shashikanth K** and Gopal Naik (2017) General Circulation Models- Big Data Models in Climate Science, at 4th National Conference on Water, Environment and Society (NCWES – 2017 held at JNTUH from 16-18 March, 2017.
28. **K.Shashikanth**, P.Lokendar Reddy (2007) “Rainfall –runoff modeling using ANN “at the National Conference on soft computing applications in water resources and Environmental NCSCAWREE -07 at OSMANIA UNIVERSITY, from 14-15 December 2007.
29. **K.Shashikanth**, Subimal Ghosh (2013) Fine scale projections of Indian summer monsoon rainfall at IMSP Annual monsoon workshop held at IITM, Pune, 19-20, 2013
30. **K.Shashikanth**, V.V. Nageswara Rao “Introduction of IT in the curriculum of Engg. Education” was presented at National Conference on Technical Education in the New Millennium & Challenges, March 12-13, 2000, Osmania University, and Hyderabad.
31. **K.Shashikanth**, VV Nageswara Rao (2000) “Flood Water Management in Rural Areas” was published at All India Conference on Technologies for Rural Development in Y2K+ 0-6-2k & 1-7-2k, Tirupati (India)
32. **K.Shashikanth**, Amey Pathak (2014) Projections of Indian Monsoon Rainfall under climate change with special reference to Telangana State, January, 23-24, 2015 held at CBIT (NC-RENeST).

33. **K.Shashikanth**, S Prasanna (2014) Regional Climatology using statistical downscaling approaches-Recent developments (ISSN-978-93-83635-36-8)NC-RRACE) held in OU from 7-8,November, 2014.
34. **K.Shashikanth**, P Rajasekhar (2014) Climate Models-Are they useful in Projecting Future Climate, Advances in Civil Engineering and Infrastructure Development, held at Vasavi College of Engineering Hyderabad from 6-7 February, 2014 (ISSN-978-93-82570-19-6).

8) EXPERT COMMITTEE MEMBER

a) Other than OU:

i) Telangana State Pollution Control Board (TGPCB):

Has been serving as technical Committee member for **Consent for Operation (CFO) and Task Force (Zonal Office) of TSPCB** for processing of Industry applications at Zonal office at RC Puram Hyderabad since 2022. The committee gives environmental clearances to Industries mainly located in Northern Telangana Region.

ii) IRRIGATION DEPARTMENT, Govt of Telangana

Appointed as Expert Technical Committeemember to assess the Availability of Godavari waters by **Irrigation and CAD Department by the Govt of Telangana**, in the dream/Flagship of Project of Govt of Telangana (21.05.2020)

iii) MEMEBR EXPERT COMMITTEE

- ❖ Project Review Proposal Committee member of DST SERB Govt of India under Core Research Grant for selection of the projects in the year 2023.
- ❖ A high level Expert committee memberfor sudden Inspection of Engg Colleges under JNTUH JurisdictionMarch-April, 2017.
- ❖ Member of the Expert Committee to examine the objections on Questions and Keys for TSPSC- AEE -Exam- Since Telangana State Formation (2014)
- ❖ Reviewer and Examiner for ME/M.Tech Thesis at Centre for Water Resources IST, JNTUH Hyderabad
- ❖ Governing Body and Selection Committee Member for Nrupatunga Degree & PG College, Kachiguda, Vivekananda Degree College Kukatpally, Auroras Post

Graduate College Uppal, Hyderabad and Princeton PG. College of Management, Ramanthpur, Hyderabad

- ❖ Selection committee Panel Member for Faculty Recruitment at various Institutions such as JNTUH, Hyderabad, JNTUA Anantapuram, AP, G.Pulla Reddy Engg College. Kurnool, AP., CVR College of Engineering, Hyderabad., RGUKT Basara TG, CBIT and Vasavi College of Engineering, Hyd
- ❖ Selection committee member for JRF recruitment of in Centre for climate change in EPTRI, Govt of Telangana Organization.

iv) **BOARD OF STUDIES (BOS) MEMBER**

- ❖ Member, Board of Studies, JNTU Hyderabad (2022-25)
- ❖ Member, Board of Studies, RGUKT Basara, NIRMAL Dist (2023)
- ❖ Member, Board of Studies, G.Pulla Reddy Engg College Kurnool, (2023-25)
- ❖ Member, Board of Studies, KGR College of Engg & Technology, Moinabad, RR Dist. (2021-24)
- ❖ Member, Board of Studies, VBIT Hyderabad
- ❖ Member Board of Studies Member, Sai Rajeswari Institute of Technology (Autonomous) Proddutur, Kadapa Dist. AP.

v) **CONTRIBUTIONS TO OTHER INSTITUTES**

- ❖ Reviewer & External Examiner of Ph.D thesis, Academy of Scientific and Innovative Research, Ghaziabad, UP.(CSIR)
- ❖ Reviewer of Ph.D. thesis, JNTUH Hyderabad.

vi) **Other Useful Contributions to other Institutions**

- ❖ Acted as General Secretary of QIP forum at IIT Bombay during August 2012- July 2013.
- ❖ Guest of Honour for Convocation Function at GP Reddy College of Pharmacy, Hyderabad on 10-08-24
- ❖ Member committee to examine the objections of Dy. General Manager posts in Hyderabad water supply & Sewerage Board, Hyderabad (2020)
- ❖ Member of the committee constituted by JNTUH for surprise visits to various Engineering colleges affiliated to JNTUH March-April, 2017.
- ❖ Member of the Expert Committee to examine the objections on Questions and Keys for APPSC- AEE -Exam- 2015, 2017.
- ❖ Observer for state level competitive examinations like EAMCET, ECET, TSGENCO, NPDCL, SPDCL and other prestigious competitive exams.

- ❖ Observer for EAMCET and ICET Entrance Exams
- ❖ Acted as Presiding Officer and Micro-Observer for Elections of Parliament, Assembly & GHMC Elections.

vii) Editorial Board member :

1. Editorial Board of Water and Climate for Frontiers in Water.
2. Journal of Civil and Hydraulic Engineering (JCHE) Acadlore Publishing Services Limited

b) Responsibilities held at Osmania University

- i) Serving as **Controller of Examination Branch**, OU since 18.11.2024
- ii) Served as **Additional Controller P1 Section** Osmania University Examination Branch 2021-2024
- iii) Served as **Chairperson, Board of Studies (Autonomous)** Department of Civil Engineering, UCE, OU 2023-25
- iv) Serving as **Chairperson, Board of Studies (Global)** Department of Civil Engineering, UCE, OU since 2025
- v) Currently **Serving DRC (Doctoral Research Committee)** member in the Department of Civil Engineering UCE, OU
- vi) **Coordinator for Accreditation of PG courses (Master of Engineering) UCE-OU in 2023**
- vii) **Departmental Committee Member (DCM)** of Dept. of Civil Engineering, University College of Engineering.
- viii) Faculty Coordinator **NIRMAAN** a National Level students Technical Symposiums in Model Development Preparation.
- ix) Worked as Public Relations Officer, UCE, OU from 2016 to 2019.
- x) Formerly Joint Director (PG) in the Examination Cell UCE, OU. (2018-2019)
- xi) Convener for Three week Induction Programme for newly admitted BE I year students for 2018, 2019 & 2020 batches as per AICTE Model curriculum which was implemented in UCE OU.
- xii) Department Convener for ME part-time admissions for the year 2018-19.
- xiii) Department Convener for CEEP admissions for PG courses 2023
- xiv) Convener for the preparation of National Institutional Ranking Framework (NIRF) report submitted to MHRD, Govt of India, and UCE OU awarded 80 Rank twice (2016 and 2017) and in 2018, ranked 83

- xv) Member of the committee “**OU Centenary Help Line**” constituted by OU Centenary celebration committee.
- xvi) Worked earlier Programme Officer NSS Unit II at UCE OU. 2010
- xvii) Time table In charge Civil Engg Dept UCE OU (2008-2010) (2010)
- xviii) In charge Fluid Mechanics and Environmental Engineering Laboratory UCE, OU (2016-2018)
- xix) Actively involved in the conduct of Various Conferences / Seminars Held in the Civil Engg department at OU especially HYDRO 2019 International Conference under the aegis of ISH, Pune, Maharashtra State.
- xx) Student Advisor, Two day National Student Technical Symposium- 18th Edition of **NIRMAAN- 19** - March, 2019.
- xxi) Introduced new subject **Impact of Climate change in PG Water ResourcesEngineering** Specialization.

7) List of Conferences/ Seminar/Symposia Workshops Attended

S.No.	Name of the Seminar/Conference/ Symposia/ Workshops attended
1	Two Day workshop on “Teaching, Learning and Assessment Methodologies“ University College of Engineering, OU under TEQIP-II Hyderabad, 13-14 Dec, 2016
2	One Day workshop on “How to write Research Proposals“University College of Engineering, OU Hyderabad 18-09-2015.
3	One day workshop on protection of Intellectual Property through patents held at Mahindra EcoleCentrale on 12 September, 2015
4	One day workshop on Integrated Urban Flood management in Hyderabad: Technology Driven Solutions held at BITS, Pilani, Hyderabad Campus on October. 31, 2015
5	Three Week Refresher course on Regional Hydrology of floods at G.B. Pant University of Agriculture and Technology, 8 th January 2018 to 19 th January 2018.
6	3 Week Summer School at UGC HRDC JNTUH (05.06.2017 to 24.06.2017) on Strategies for Research oriented Teaching
7	Regional Workshop on “ National Water Mission (NWM) sponsored one day work shop on State Specific Action Plan (SSAP) on Water for sustainable development and

	management of its water resources. National Institute of Hydrology (NIH) and North Eastern Regional Institute of Water and Land Management (NERIWALM) are the nodal agencies deputed to carry out SSAPs in all the states of India on 5.10.2018.
8	U.S- India Partnership for Climate Resilience Workshop on High-Resolution Climate Projections and Analysis for India, February 12 - 13, 2018 at EPTRI, Hyderabad.
9	One day work shop on State Specific Action Plan for Water Sector (SSAP-W) in Telangana as per the directions of Government of Telangana, in accordance with ToR issued by Ministry of Water Resources, River Development and Ganga Rejuvenation, GOI on 20.03.2017, EPTRI, Hyderabad.
10	One week Professional Development Training (PDT) workshop being organized by IIM Trichy from 14.10.2019-18.10.2019
11	Two Days Online Training Course on “Evolving the Hydraulic Design of Reservoir and Appurtenant Structures using Physical and Numerical Modelling” conducted on 12-13 January, 2021 by CWPRS, Pune
12	Participated in the SPARC sponsored International Webinar on Mitigation of flood disaster due to hydrological extremes, Organized by Indian Institute Technology Roorkee& Amrita VishwaVidyapeetham, 21-22 October 2020

7) Book Chapters

1. AnamitraSaha, **Kulkarni Shashikanth** and SubimalGhosh (2018) “Changing monsoon behavior with the evaluation of CMIP5 climate models” in book titled “Sustainable holistic water resources management in a changing climate, Jain Brothers, New Delhi,” as a book chapter edited by SrinivasaRaju, K., Vasan, A. (Eds.) M/S Jain Brothers, New Delhi. ISBN: 978-81-8360-253-2.
2. **K.Shashikanth** (2017) State Action Plan for Water Sector in Telangana on Climate Change Projections to predict future water availability submitted to EPTRI (Environmental Protection Training and Research Institute) .
3. HiteshriShastri, KaustubhSalvi, **Shashikanth. K** , S Misra, (2021) A Review of Multi-criteia decision making methods with reference to Water

Resources and Climate Science Applications. Edited by M Majumdar and Ganesh Kale (ISBN 978-3-030-66682-8 ISBN 978-3-030-66683-5 (eBook) <https://doi.org/10.1007/978-3-030-66683-5> (Springer Nature Publications)

8) Books Edited

- Proceeding of the National Conference on Soft Computing Applications in Water resources and Environmental Engineering, (NCSCAWREE) Civil Engineering Department, O U. (2007)
- Proceedings of National Conference on Advanced Computing Applications in Civil Engineering held in April, 2018, UCE, OU.
- Proceedings of 62nd Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM 2017) held in Dec 15-18, 2017 in Association with ISTAM.
- Proceedings of 24th Hydro International Conference- 2019 organized in Association with Indian Society for Hydraulics, Pune, held during 18-20, December, 2019

9) Development of MOOCs :

- ❖ (i) Statistical Methods in Water Resources-Principles and Tools (2021)
- ❖ (ii) Statistical Methods in Water Resources-Principles and Tools 2021.

10) Reviewer of Journal

- International Journal of Climatology, Wiley Publishers
- ISH-Journal of Hydraulic Engineering, Taylor and Francis Publishers
- Journal of Geological Society of India
- Journal of Water and Climate Change, IWA Publishing
- Journal of Earth System Science, published by Indian Academy of Sciences, published by Springer Science (Business Media) on behalf of the Indian Academy of Sciences.
- Hindawi Journal
- Reviewer for the INTERNATIONAL CONFERENCE ON INNOVATIONS IN INFRASTRUCTURE (ICIIF 2018) Sponsored by

Gujarat Knowledge Society, Ahmadabad held at Institute Technology Research and Management, Ahmadabad, during May 18-19, 2018.

11) Awards and Honours

- ❖ Awarded **Ideal Teacher** 2018 by *Tutors Pride of India*
- ❖ Awarded **Best Researcher Award** by **International Academy 2022** (17.2.23)
- ❖ Received **Vice Chancellors appreciation award** for the year 2022 (3.1.22)
- ❖ Awarded **VC Excellence in Research** for the year 2023 (3.1.23)

12) Guest Lecturers Delivered

Details of Lecture	Name of the Organization	Dates	Venue
Climate model data extraction: a demonstration	QIP, IITB	30 th May, 2016	IITB
CMIP5-Data downloading methodology	QIP-IITB	July, 2, 2014	VMCC-IITB
Statistical Downscaling and Data downloading procedure	IIIT, Hyderabad	20 July, 2016	IIITH.
Projections of Rainfall under climate change in Telangana State	Consultation & State Working Group meeting on State Specific Action Plan for water sector in Telangana State, EPTRI	20-03-2017	EPTRI, Hyderabad
General Circulation Models-Big Data Models in Climate Science	4 th National Conference on Sustainable Water and Environment Management (SWEM-17)	16 th – 18 th March 2017	JNTUH
Ranking of GCMs based on Bayesian Model for ISMR	National conference at JNTU Hyderabad	21-23, Dec, 2017	IST, JNTUH
Use and Applicability of General Circulation Models in the Simulation of Climate System	5 th National Conference on Sustainable Water and Environment Management (SWEM-17)	June 4-6, 2018.	JNTUH

Hydrological Flood studies including Routing Techniques	Workshop on Hydrology for Engineers from Water Resources Dept , Govt of Karnataka	30 and 31 January, 2018.	VTU Regional Center, Kalaburgi
Climate change and extreme events–Framework for rainfall extremeProjections under Climate Change –Climate modeling.	Two (2) day refresher training programme on “Climate Change Mitigation: Role of Forestry & sinks with in Clean Development Mechanism Framework” for Indian Forest Service (IFS) officers by the Ministry of Environment Forests and Climate Change (MoEF& CC), Government of India.	29 January, 2019	EPTRI, Hyd
Introduction to water audit soft wares:PODIUMSim and AWWA software and EPANET software	Green Skill Development Program (GSDP) -Certificate Course on Water Budgeting and Auditing	31.10.2018	EPTRI
Introduction to water audit softwares:IWMI software and SCADA	do	31.10.2018	EPTRI
Climate Modelling and Projections onClimate Change	CPCB, Sponsored Global Warming, Climate Change and Disaster Management- Future Perspective	26th to 28th November 2018.	EPTRI
Water Distribution System Design using EPANET software along with case studies	A two day Training Programme on Development Trends in Water Supply System for Dy. General Manager’s (E) & Manager’s (E) from Hyderabad Metropolitan Water Supply & Sewerage Board (HMWSSB)	04-02-2019.	UGC- Human Resource Development Centre, JNTUH
Regional Simulations of IndianMonsoon &GCM Data and Future ClimateConditions	Short Term Training Programme on: Capacity Building for Interdisciplinary Research on Climate Change	14.11.2018	M. S. Patel Department of Civil Engineering, Gujarat
Indian Technical and Economic Cooperation (ITEC) programme by Ministry of External Affairs on ‘Climate Change and Sustainable Development’- International Programme	Climate Change and extreme events, Framework for rainfall extreme projections under climate change & climate modelling	17.12.2018	EPTRI, Govt of Telangana
Water Distribution System Design using EPANET	A two day Training Programme on Development Trends in Water Supply	08.03.2019	UGC- Human

software along with case studies	System for Dy. General Manager's (E) & Manager's (E) from Hyderabad Metropolitan Water Supply & Sewerage Board (HMWSSB)		Resource Development Centre, JNTUH
Climate change perspectives	UGC – Human Resource Development Centre as a Resource Person and address the participants of the 105 th Orientation Course at University of Hyderabad.	06.03.2019	UGC-HRDC
Water Distribution System Design using EPANET software along with case studies	A two day Training Programme on Development Trends in Water Supply System for Dy. General Manager's (E) & Manager's (E) from Hyderabad Metropolitan Water Supply & Sewerage Board (HMWSSB)	21.02.2019	UGC-Human Resource Development Centre, JNTUH
Fundamentals of Fluid Mechanics	Guru Nanak Institutions Technical Campus	03.05.2021	Online Platform
Climate change and extreme events – Framework for rainfall extreme Projections under Climate Change – Climate modelling	EPTRI training program under Indian Technical & Economic Cooperation (ITEC) by Ministry of External Affairs, Government of India on 'Integrated approach to climate change policy development and financing for effective implementation of SDG goals', Training program.	20.03.2019	EPTRI
Climate Modelling and Future Projections	Indian Technical and Economic Cooperation (ITEC) Programme of the Ministry of External Affairs (MEA), Government of India (GoI), the Environment Protection Training and Research Institute (EPTRI), Hyderabad is conducting two (2) week International online Training Programme on “Climate Change and Sustainable Development” from 24 th January – 04 th February, 2022	31.01.2022	EPTRI
Climate and Climate Change Implications	Dept of Civil Engineering, KG Reddy College of Engg and technology, Moinabad, RR Dist	09.12.2021	KGR CET
Monsoon System: Past, Present and Future	Er.A.P.RanganathaSwamy 25 th Endowment lecture being organized by Institution of Engineers (India) IEI, TS State centre	27.07.2022	IEI ..Online Platform
Understanding Climate for	Delivered lecture on the occasion of	22.4.2023	IEI online

Sustainable Future	World Earth day (April 22, 2023) at Institution of Engineers, India (IEI) Hyderabad.		platform
Water Distribution System Design using EPANET: A Practical Approach	A series of Lectures were delivered at RCUES (Regional Centre for Urban and Environmental Studies) on theme 24/7 Water Supply Schemes and Challenges in Telangana	In the Month of Feb, 2023.	RCUES Centenary Refectory, OU Guest House, Hyderabad
Climate Change and Extreme Events: Climate Change Modelling	Environment Protection Training and Research Institute (EPTRI), Hyderabad, an autonomous institution under the administrative control of the Department of Environment, Forest and Science & Technology, Government of Telangana is conducting a two (2) week international training on "Integrated Approach to Climate Change Policy Development and Financing for Effective Implementation of SDGs" for participants of partner countries of India as part of the Indian Technical and Economic Cooperation (ITEC) of the Ministry of External Affairs (MEA), Government of India (GoI).	25th March, 2023 from 10:00 hrs	EPTRI
Climate Modelling and Future Projections	Environment Protection Training and Research Institute (EPTRI), Hyderabad, an autonomous institution under the administrative control of the Department of Environment, Forest and Science & Technology, Government of Telangana is conducting a two (2) week international training on "Climate Change and Sustainable Development" for participants of partner countries of India as part of the Indian Technical and Economic Cooperation (ITEC) of the Ministry of External Affairs (MEA), Government of India (GoI).	01 February, 2023 from 14:15 hrs.	EPTRI
Sources of Climate data for Hyderabad City.	SPARC sponsored two-day workshop on "Climate Change and Urbanisation: Building Resilience in the Urban Water Sector", on December 16 and 17, 2019.	Dec 16, 2019.	UCE-OU
Climate change and extreme events – Framework for rainfall extreme Projections under Climate	CLIMATE CHANGE MITIGATION: ROLE OF FORESTRY & SINKS WITHIN CLEAN Development MECHANISM FRAMEWORK for Indian Forest Service (IFS) officers by the Ministry of Environment Forests	29-01-2019	EPTRI

Change – Climate modeling.	and Climate Change (MoEF & CC), Government of India.		
Water Distribution System Design Using EPANET: A practical Approach	RCUES, Regional Centre for Urban & Environmental Studies OU	03-02-23 & 14-02-23	RCUES, OU Hyd
Water Distribution System Design Using EPANET: A practical Approach	RCUES, Regional Centre for Urban & Environmental Studies OU	23-02-2023	RCUES, OU Hyd
Impact of climate change on the Indian Monsoon System using climate models	Centre for Earth , Ocean, and Atmospheric Sciences, UoH, Hyderabad	18.12-2023	CEOAS, UoH
Performance of Monsoon System using New Age CMIP6 Modelling data	Er. A. P. RanganathaSwamy 25 th Endowment lecture being organized by Institution of Engineers (India) IEI, TS State centre	27.07.2024	IEI ..
Talk on An overview of Climate change and Climate System Modelling	World Meteorological Day- Series of Talks	31.03.2024	IMD- IMS Hyderabad Chapter
Multi Objective Calibration for SWAT model of Musi River basin using NSGA- II	Urban Storm waterMgmt. using Water sensitive Urban Design Concept organized in Association with Western Sydney University, International Institute of Information Technology, (IIIT) Hyderabad, SPARC	14.02.2024	IIIT Hyd.
Future Projections of Monsoon Patterns under CMIP6 Scenarios: Implications for Water Resources and Agriculture	One day Seminar at CBIT	31.08.2024	CBIT

13) Conferences conducted

1. Convener for the 2nd International Symposium on **RECENT CHALLENGES in ENGINEERING (ISRCE-23) Focal Theme: PERSPECTIVES AND CHALLENGES IN ENGINEERING ON THE MOON** organized by Alumni Association of UCE, OU, held from 30-31, December 2023.
2. **Joint Organizing Secretary, HYDRO 2019** International Conference held from 18-20 December, 2019 under aegis of Indian Society of Hydraulics (ISH) Pune,
3. Convener for the One day Workshop on **Soft Computing Application in Water resources Engineering (SCAWRE-2022)** on 31.10.2022.

4. Student Advisor, Two day National Student Technical Symposium- 18th Edition of NIRMAAN- 19 - March, 2019.
5. Convener, 3 day National conference on Advanced Computing Applications in Civil Engineering from April 24-26, 2018.
6. Convener, One day seminar the occasion of World Water day on 22 March, 2018.
7. Convener for 3 day workshop on Engineering Research Methodology (ERP-2016) 29-31, January, 2016
8. Convener for One day workshop on Engineering Graphics using Auto CAD, 9th October, 2015.
9. Co- Convener, National Conference on Soft Computing Applications in water resources and Environmental, December 2007, and Osmania University.
10. Co-Convener for the 2 day Training program on Urban Storm water Management – Issues and challenges Conducted form 20-21 February 2009.
11. Co-Convener for the one day National Seminar on Water and Nature-Needs and Challenges on the occasion of World water Day 22 March 2009.

14)PhDs Supervisor

1. **DivyaSankarSurisetty** Topic of Research ‘Effective and Complex Risk Management in Construction Project. Conducted on 14.04.2023 from Lincoln University College, Malaysia.
2. Currently 4 students are enrolled for Doctoral Work.

15)Projects Guided

- i. B.E. Projects Guided: **16**
- ii. ME Dissertations Guided: **19 Completed**

06 On Going

LIST of ME/M.Phil THESIS GUIDANCE

S.No	Year	Topic of the thesis	Name/ Roll No
1	2011	Selection of Suitable Sites for Water Harvesting Structures in Osmania University Campus, using RS and GIS	D Rama Krishna Sarma
2	2014	Temperature projections for India using Bias correction method	D Satyanarayana 1005-12-746202
3	2016	Simulation Of Indian Summer Monsoon Rainfall Projections For Future Using GCM Output.	P Sukumar 1005-13-741208
4	2017	Temperature Projections of India for 21 st Century using climate models	Rajasekhar Reddy 1005-15-741204
5	2018	Modelling of Extreme Rainfall Projections of Indian monsoon under climate change	Prashanthi M 1005-14-741209
6	2018	Urban storm water management using SWMM	V. NavyaSindhu Roll No: 1005-16-741507
7	2019	Comparative Analysis of Runoff Estimation For Improvements In Drainage Capacities In Hyderabad City	P Anil Kumar 1005-15-741508
8	2019	Evaluation Of Critical Success Factors On Mission Bhagiratha Scheme By Using Faii Method And Friedman's Test With SPSS	K Naresh 1005-17-741605
9	2019	Modeling of Extremes using PoT Approach for 21 st century under climate change	Md. Shahida 1005-15-741210
10	2019	Analysis of critical factors for development of a Smart City	SUNKARA SYAMPRASAD 1005-17-741614
11	2019	Ground water modeling using Visual Modflow	Mr.Suman
12	2020	Assessment of key sustainable performance indicators using AHP and Fuzzy Inference system	William Prakash100518741 611
13	2020	Risk Assessment Of Cost Overrun Using Fuzzy Logic Model	Gullapudi B S Alekhya

			100518741605
14	2020	Early Warning of Floods In Krishna River Sub Basin	R.PALLAVI (Roll No: 1005-18-741209)
15	2021	Multi objective calibration for SWAT model using NSGA II- A case study on Musi River	T Anurag 1005-19-741208
16	2024	Thunderstorm prediction using Soft computing techniques	Tharun1005-20-741208
17	2024	Urban Growth Modeling of Hyderabad City	Shaikh Habeeb Ahmed 1005-19-741614 (CEM)
18	2024	Statistical Downscaling Of Indian Summer Monsoon Rainfall Using CMIP6 Model Outputs	ARK Raj M.Tech Student from IIT Kharagpur, WB
19	2021	Simulations of Precipitation using New age CMIP6 Climate Models	SRIPADA VIDYACHARAN 19ESMS06Centre for Earth, Ocean and Atmospheric Sciences, University of Hyderabad

16) CHAIRMAN OF TECHNICAL SESSIONS – 2

1. Chaired Technical Sessions at National Seminar in Civil Engineering at CVR College of Engineering, Hyderabad conducted on 30th March, 2017.
2. Acted as Co-Chairman at 4th National Conference on Water, Environment and Society (NCWES – 2017) in a session on Climate Change and Environment held at JNTUH from session 16-18 March, 2017.
3. Chaired technical Session at 2nd International Conference on Emerging Trends in Engineering Organized by UCE OU Alumni Association 28-30, April 2023.

17) Membership in Professional Bodies

LMISTE- 23376

LMISRS (L-3318)

LMIWRS- 08-7052

LMISH- 730

Fellow of IE (Member of Institution of Engineers-FIE) F- 1283425

18) Convocation Address Delivered as Controller of Examination, OU

- a) Guest of Honor for Villa Marie Degree College being held on 7-12-24
- b) Chief Guest for MSS RG Kedia College of Commerce held on 26.3.25
- c) Chief Guest for G.Pulla Reddy College of Pharmacy scheduled on 10.08.2024
- d) Chief Guest for SHRUTHI 2025 Cultural Fest held on 06.03.2025
- e) Guest of Honor for Madina Degree & PG College for Women held on 24.12.2024
- f) Chief Guest for St Joseph Degree & PG College (10th Mini Convocation) scheduled on 10.01.2025
- g) Guest of Honor for Loyola Academy 9th Convocation held on 25.01.2025
- h) Guest of Honor for St. Ann's College for Women on 6th Graduation Ceremony held on 02.02.2025
- i) Chief Guest for Techno-Mangement Group at Aurora's PG College (MBA) Punjagutta, Hyderabad held on 25.04.2025
- j) Chief Guest Avanthi Degree & PG College) Achievers Day on 21.06.2025
- k) Chief Guest for St. Francis Degree and PG College Begumpet on the occasion of 45th Convocation scheduled on 11.10.2025.

19) ACADEMIC ID's

Google ID:

https://scholar.google.com/citations?view_op=list_works&hl=id&user=17K81tIAAAJ

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=6507670662>

ORCID ID: <https://orcid.org/0000-0001-7481-649X>

<https://vidwan.inflibnet.ac.in/profile/582667>

<https://www.webofscience.com/wos/author/record/M-9148-2013>

20) Short- Term Courses Attended

S. No.	Name of the course	Organization	Duration
1	Climate change and Water Management	IIT Bombay	Feb28,-March 4, 2011
2	Turbulent Jets and Plumes: Theory and Applications	IIT Bombay	Jan 14-18, 2013
3	Soft computing techniques in Hydrologic time series modelling	IIT Bombay	Nov 11-15, 2013
4	Sediment transport and River Engineering	IIT Bombay	9-13, December 2013
5	The musts of Fluid Mechanics	IIT Bombay	26-30, May 2014
6	Coastal processes and Modeling	IIT Bombay	19-23, March, 2012
7	Fluid Mechanics through Experiments	IIT Bombay	22-26, December, 2014
8	Hydro climatic modeling and Climate change Impacts Assessment	IIT Bombay	June 30-July 4, 2014
9	Ground water and Surface water management	IIT Bombay	December, 7-11 2015
10	Hydrology of Floods	GB Pant Agriculture & Technology, Pant Nagar, Uttarakhand	8-19, January, 2018.
11	Strategies for Research oriented Teaching	UGC-HRDC- JNTUH	5- 24 , June, 2017 (3 weeks)
12	“Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials”	Indian Institute of Remote Sensing (IIRS),ISRO Dehradun (Online), Govt of India	13-06-2020 to 01.07.2020
13	MATLAB Based Teaching-Learning in Mathematics, Science and Engineering	Department of Electronics , Ram RaoAdik College of Engg, Nerul, Mumbai (Online)	18-22, May, 2020
14	“Maximal Utilization of ICT Tools for Online Teaching-Learning Process”	Department of Applied Science and Humanities, Rajkiya Engineering College, Ambedkar Nagar in Association with J. C. Bose University of	9-13, May, 2020 (TEQIP-III)

		Science & Technology, YMCA, Faridabad, Haryana (online)	
15	Geospatial Modelling for Watershed Management	Indian Institute of Remote Sensing (IIRS) (online)	02- 06.August, 2021
16	Draft Development and Building Regulations, 2022 for the State of Telangana& AP.	Bureau of Indian Standards (BIS)	17-18,August 2023

21) Teaching Assignments (SDG4)

Courses taught for Undergraduate Students

Fluid Mechanics –I & II
 Hydrology and water management
 Fluid Dynamics
 C/C++ Programming
 Water Resources Engineering
 Engineering Mechanics
 Hydraulic Engineering
 Infrastructure Development
 Environmental Studies
 Programming for Problem Solving
 Engineering Graphics

Courses taught for Postgraduate Students (Specialization: Water Resources Engineering)

Engineering Hydrology
 Flood Analysis and Control
 Applied Statistics
 Applied Hydrology
 Disaster Mitigation and Management
 Principles of Climate Change
 Applied Statistics in WRE

22) Achievements

Received Vice Chancellors appreciation award for the year 2022
 Received VC award for excellence in research for the year 2022 on 03.01.2023

My PhD thesis cleared first stage for Excellence in Thesis award based on the recommendations of the examiners at Indian Institute of Technology, Bombay.

23) PERSONAL PROFILE

Name: Dr K Shashikanth
Father name: Sri. K. SrikanthRao
Mother's Name: Smt. K Shobha
Place of Birth: **Narayanpet, TG.**

Permanent Address: **Prof K Shashikanth**
H.No. 4-2-32

Pujari Pandurang Temple,
Saraf bazar, NARAYANAPET

Dist.: NARAYANPET -509210

Correspondence Address: **Prof K SHASHIKANTH**
H.No. 3.6.750/C
Street No. 13, Himayathngar
Near Autofin Honda Show Room
HYDERABAD- 500029

Place: **HYDEARABAD**
Date: 24.10.2025