




TAGORE ENGINEERING COLLEGE

(A Member of Tagore Group of Institutions Chennai)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

ACCREDITED BY IQAC-NAAC WITH 'A' GRADE

FACULTY PROFILE

PERSONAL DETAILS			
Name & Qualification	Dr. G. K. PANDIYA RAJHAN		
Designation	Associate Professor		
Department	Civil Engineering		
Total Teaching Experience	25 Yrs		
Total Research Experience	7.5 Yrs		
Total Industry Experience	4.5 Yrs		
Area of Specialization	Water Resources Engineering		
AICTE Faculty ID			
Email ID	gkpandiyarajhan1@gmail.com		
EDUCATIONAL DETAILS			
Degree	Branch/ Specialization	University	Year
UG	B.E.(Civil)	Anna University	1993
	M.E.(Hydrology and Water Resources Engg.)	Anna University	1998
Ph.D	Water Resources Engineering	Anna University	2023
RESEARCH / PUBLICATION DETAILS			
Publications in Journal			
<ol style="list-style-type: none"> 1. Kannan, P.R.G., Govindasamy, R. & Radhika Panchabikesan, V.A. (2025). Hydrological drought assessment using drought indices in semi arid zones of Vaippar river sub basins, Tamil Nadu, India. Theor Appl Climatol 156, 519 (SCI, SCIE, indexed. (IF.3.179). 2. Kannan, P.R.G., Panchabikesan, V.A.R., Kamaraj, S. et al. (2023) Drought assessment using multivariate indices in the sub-basins of the Vaippar River Basin, Tamil Nadu, India. Paddy Water Environ . https://doi.org/10.1007/s10333-023-00953-7 (SCIE indexed. (IF.2.2). 3. Pandiyarajhan G.K, Ravikumar G, (2022) "Mitigation and management of Agricultural drought assessment in Arjunanadhi and Kousiganadhi sub-basins." 			

Arabian Journal of Geosciences. <https://doi.org/10.1007/s12517-022-10071-z> (SCI indexed. (IF.1.89).

4. Kannan, P.G., Govindasamy, R. (2022). Drought severity assessments in the Arjunanadhi and Kousiganadhi subbasins of Tamil Nadu, India: a meteorological perspective. *Theor Appl Climatol*, <https://doi.org/10.1007/s00704-022-04109-1> (SCI, SCIE, indexed. (IF.3.179).
5. Book Chapter, *Advances in Mechanical and Industrial Engineering, Driver Drowsiness Detection using Image Processing Technique*, G. K. Pandiyarajhan, R. Seetharaman, C. Kaushik Viknesh, A. Murugan, S. Visvanathan, (2022), Imprint CRC Press, Pages8, eBook ISBN9781003216742
6. Book Chapter, *Advances in Mechanical and Industrial Engineering, Driver Drowsiness Detection using Image Processing Technique*, G. K. Pandiyarajhan, R. Seetharaman, S. Gayathri, Chaitanya Krishna Chevula, (2022), Imprint CRC Press, Pages6, eBook ISBN9781003216742
7. Book Chapter, G.K. Pandiyarajhan, M. Tholkappian, S.Santhana Socrate,(2019) “Design and Construction of Bridge Embankment Using RE Wall Panels”, ICGECSD’19, Department of Civil Engineering, VeltechRangarajanDr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai. April 2019 ISBN: 978-93-88122-07-8.
8. Akshaya Prabha A.V, Pandiyarajhan G.K, Ravikumar G, (2017) "Meteorological and Hydrological Drought Assessment – A Review." *International Journal of Scientific & Engineering Research* Volume 8, Issue 10, pgs.: 97-101, ISSN 2229-5518.
9. Subha. N, Pandiyarajhan G.K, Ravikumar G, (2017) “Agricultural drought assessment and management in Arjunanadhi and Kousiganadhi sub-basins." *International Journal of Scientific & Engineering Research* Volume 8, Issue 10, pgs.: 1-13, ISSN 2229-5518.
10. Subha. N, Pandiyarajhan G.K, Ravikumar G, (2017) "Agricultural Drought Assessment and Monitoring
11. A Review” *International Journal of Scientific & Engineering Research* Volume 8, Issue 10, pgs.: 14- 22, ISSN 2229-5518.
12. G. K. Pandiyarajhan, N. Mohamed Nasir and G. Ravi Kumar (2016), *Drought Analyzing Techniques Using Various Drought Indices*, *International Journal of Civil Engineering*,(Scopus Indexed) SSRG Journals.pg: 126-137, E- ISSN: 2348 – 8352

Conference Proceedings

Paper presented at the Conferences

1. G. K.pandiya Rajhan, S.Vijayan ,D. Senthilvelan ,Tholkapiyan. M,(2025) “Evaluating the Response of Steel frame for Various Wind Load Combinations Using Stochastic Structural”*Engineering Board of Research in Nuclear Sciences (BRNS) Sponsored First International Conference on Integrated AI, IoT and UAV Solutions for Global Environmental Sustainability (ICAID 2025)* held at Department of Civil Engineering, Chennai Institute of Technology (Autonomous), Chennai on October 30-31, 2025.
2. G.K.Pandiya Rajhan,P. Thirunavukkarasu,Tholkapiyan. M,(2025) “Assessment of hydrological components changes of Lower Bhavani Sub-basin in Erode Dt, using SWAT Model” *Engineering Board of Research in Nuclear Sciences (BRNS) Sponsored First*

International Conference on Integrated AI, IoT and UAV Solutions for Global Environmental Sustainability (ICAID 2025) held at Department of Civil Engineering, Chennai Institute of Technology (Autonomous), Chennai on October 30-31, 2025.

3. G.K.Pandiyarajhan, R Keerthana, R. Vijayalakshmi, Tholkapiyan. M, (2025) "Study On The Effective Utilisation Of Leather Tannery Sludge Waste As Sustainable Building Materials" Engineering Board of Research in Nuclear Sciences (BRNS) Sponsored First International Conference on Integrated AI, IoT and UAV Solutions for Global Environmental Sustainability (ICAID 2025) held at Department of Civil Engineering, Chennai Institute of Technology (Autonomous), Chennai on October 30-31, 2025
4. Pandiyarajhan G. K, Vijay Aravindh R. P, Swetha. K., Ravikumar G, "Evaluation of Drought using Different Methods- A Review", AICTE Sponsored Fourth International Conference on Emerging Trends in Science, Engineering & Technology (ICETSET 2022), held on 7th and 8th July 2022 at Jerusalem College of Engineering, Chennai, India.
5. S. Gayathri, R. Seetharaman, Chaitanya Krishna Chevula, G. K. Pandiyarajhan, "Towards Secured Wireless Smart Metering Using TinyOS RTOS", Advances in Mechanical and Industrial Engineering, Proceedings of the International Conference on Advances in Mechanical and Industrial Engineering (ICAMIE 2020). <https://doi.org/10.1201/9781003216742>
6. R. Seetharaman, C. Kaushik Viknesh, A. Murugan, S. Viswanathan, G. K. Pandiyarajhan, "Driver Drowsiness Detection using Image Processing Technique", Advances in Mechanical and Industrial Engineering, Proceedings of the International Conference on Advances in Mechanical and Industrial Engineering (ICAMIE 2020). <https://doi.org/10.1201/9781003216742>
7. G.K. Pandiyarajhan, M.Tholkappian, S.Santhana Socrate, (2019) "Design and Construction of Bridge Embankment Using RE Wall Panels" International Conference on Global Environment Changes And Sustainable Development (ICGECSD'19) held at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai on 4th and 5th April 2019.
8. G.K. Pandiyarajhan, Dr. G. Ravi Kumar, Akshaya Prabha, A.V (2017) Meteorological and Hydrological Drought Assessment Methods - A Review, Proceedings of International Conference on "Smart Technologies and Green Environment" held at Velammal Engineering College, Chennai on March 24th, 2017.
9. G.K. Pandiyarajhan, Dr. G. Ravi Kumar, Subha. N, (2017) Agricultural Drought Assessment and Management in Arjunanadhi and Kousiganadhi Sub Basin, Proceedings of International Conference on "Smart Technologies and Green Environment" held at Velammal Engineering College, Chennai, India.
10. G. K. Pandiyarajhan, Dr. G. Ravi Kumar (2016) Drought Analysing Techniques Using Various Drought Indices, Proceedings of International Conference on "Current Research in Engineering Science and Technology" and published International Journal of Civil Engineering., SSRG Journals, held at Jayaram College of Engineering and Technology, Trichy.

11. G.K. Pandiyarajhan, Dr. G. Ravi Kumar, Dr. M. Karmegam (1997) Review of Drought Prone Areas Programme, Proceedings of International Conference on “Management of drinking water resources”, held at C.L.R.I, Taramani, and Chennai.		
Books / Chapters Published		
-		
Fund Received		
-		
Patent Applied / Published/Granted		
-		
CITATIONS	19	
H-INDEX	2	
RESEARCH GUIDANCE DETAILS		
Sl.No	University	Supervisor ID / Reference
1	Anna University, Chennai	-
2	Number of UG Scholars Guided	25
3	Number of PG Scholars Guided	20
4	Number of Ph.D. Scholars Guided	-
5	Number of Ph.D. Scholars Pursuing	-
PROFESSIONAL SOCIETY MEMBERSHIP DETAILS		
Sl.No	Professional Society Name	Member ID
1	Indian Geotechnical Society	777
2	Institution of Engineers (India)	1311691
3	Indian water Resources Society	6975
4	International Society for Research and Development	4150905375

5	International Association of Engineers	107572
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