



SARAVANAN.R

M.E HYDROLOGY AND WATER RESOURCE ENGINEERING

"Hard work makes you best in what you do; smart work makes you 'The best' of what you do! Be smart! Work hard! "



Date of Birth
15 MAY 1994

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PERSONAL SUMMARY

A bright, talented and ambitious Hydrology and Water Resources graduate with optimal experience of working to the highest standards. Pursuing Ph.D in the field of water resources in Chitkara University. Attended and presented papers in conferences. Undergone Industrial training as well as been part of entrepreneurial activities and leadership & management. Looking for a challenging and interesting opportunity to explore my both management and technical skills.

CAREER HISTORY

- 1. GIS- Associate Executive** - Applied Geo Information Systems - June'17.
 - Watershed delineation
 - Landuse Landcover Mapping
 - Digitization
 - Spatial analysis
- 2. Junior Research Fellow** – Chitkara University, Himachal Pradesh (May 2018-still)

Titled "IMPACT OF HYDRO-POWER PROJECTS ON ENVIRONMENT: A CASE STUDY OF BEAS RIVER BASIN IN HIMACHAL PRADESH, INDIA, FOR ASSESSING THE NEED OF MINIMUM ECOLOGICAL FLOW IN DOWNSTREAM- GIS APPROACH".
- 3. Resource Person – NRDMS DST Sponsored Summer School On Disaster Management- Equivalent to UGC Refresher Course.**
 - QGIS
 - Surveying
 - Hydro-Geology
 - Geotechnical Studies

PROFESSIONAL SKILLS

ArcGIS/QGIS	★★★★★
MS office	★★★★★
Auto CAD	★★★★★
HEC RAS/HMS	★★★★★
EPANET/WaterGEMS	★★★★★
Primavera	★★★★★

PERSONAL SKILLS

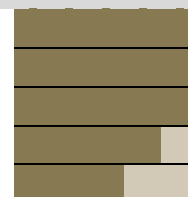
COMMUNICATION

ORGANIZATION

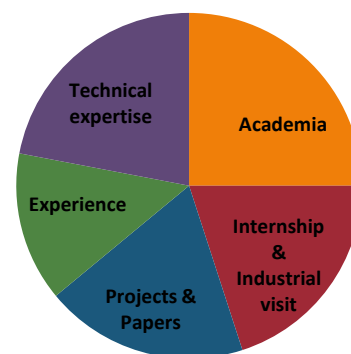
TEAM PLAYER

CREATIVITY

SOCIAL COMMITMENT



Profile Summary



TIMELINE

										GIS executive	Junior Research fellow
										81% - M.E Hydrology and water resources engineering – Anna university	
										84 % - B.E.Civil Engineering , Easwari Engineering College.	
										12 th – 83 % SRM Hr.Sec.School	
										10 th – 86% RKM Hr.Sec.School	
2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019

Paper Published

1. **Prakasam, C., & Saravanan, R.** (2019). “Environmental Flow- a Mitigation Measure for Impact of Hydropower Projects”, *International Conference on Sustainable Civil Engineering Practices. (Accepted)*.
2. **Prakasam, C., & Saravanan, R.** (2019). “Comparison of Modules for Water Distribution System Design—A Case Study of Ramapuram Chennai Tamil Nadu”, *International Conference on Sustainable Civil Engineering Practices. (Accepted)*.
3. **Prakasam, C., & Saravanan, R.** (2019). “Impact of Hydropower Project on Agriculture: A Case Study of Larji Hydroelectric project”, *International National conference on “Climate Change and Sustainable Agriculture”*, Pp 20- 28.
4. **Prakasam, C., & Saravanan, R.** (2019). “Environmental Flow Methods-A Review”, *International Conference on Sustainable Environment & Civil Engineering (ICSECE'19)*, Pp 309 – 315.
5. **Prakasam, C., & Saravanan, R.** (2019). “Impact of Hydropower Project on Agriculture: A Case Study of Binwa, Himachal Pradesh”, *National conference on “Sustainable Development & Geospatial Technology*, Pp 63- 72.
6. **Kannan, S.R., Saravanan, R.** (2015). “Construction Demolition Waste - An Alternate Sub-Base Material for Pavement Formation”, *International Journal of Applied Engineering Research (IJAER)*, Pp19643-19646.

Patent Filed

An Ideology titled “Environmental flow Monitoring “under Sustainable water management and ecosystem with Project ID PS00002376 was filed.

RESEARCH INTEREST

- ✓ Hydrology
- ✓ Water resources
- ✓ GIS
- ✓ Urban Development

WORKSHOP ATTENDED

1. 21 days Summer School on Geo-Spatial Technologies on Mountain Disaster Management (Landslide) on (9 -29) May 2019, sponsored by Natural Resources Data Management System, Department of Science and Technology, Government of India, New Delhi and organized by Geo-informatics and Building Technology Research Centre, Department of Civil Engineering, Chitkara University, Himachal Pradesh.
2. Undergone Implant Training at Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) in Tamilnadu in Post Graduate level from (13 – 24) June 2016.
3. An industrial training project report on Design of storm drainage for Noida Undergone at L&T in Post Graduate level.
4. Attended “National Workshop on Water Resources System Modelling” at Anna University in Post Graduate level.
5. Attended “National level Workshop on Reservoir sedimentation study methods and remote sensing techniques for measuring” at Anna University in Post Graduate level.

6. Conference attended and Paper Presented

S l. N o	Conference Name	Date	VENUE	Paper Title
1	Hydro - 2018 International	Dec 19 - 21/ 2018	NIT PATNA	Agricultural Drought Assessment Using Gis: A Case Study
2	National Conference On “Sustainable Management Practices: Trends, Issues & Challenges”	1 - 2 Nov 2018	CENTRAL UNIVERSITY PUNJAB	Evaluating The Efficiency of the Existing Agricultural Practices in Una District, Himachal Pradesh Statistically and Validate Using Cropwat Module for Sustainable Agricultural Practice.
3	HP Science Congress	22 - 23 Oct 2018	IIT MANDI	A Review of Ecological Flow Methods: Methodologies and Application in The Larji Hydropower Project
4	International Conference on Sustainable Water Management" during 10-11th December, 2018 at Chandigarh	10 - 12 Dec 2018	NATIONAL HYDROLOGY PROJECT	Ecological Flow Validation For Malana Hydropower Project
5	Mountain Communities And Adaptive Sustainable Livelihoods Strategies	1-2 Nov 2018	JNU,DELHI	Evaluation Of E Flow Norms Of Various Countries And In India For Sustainable Management Practices.
6	National Conference On Sustainable Development And Geospatial Technology	20 - 21 Oct 2018	GDC COLLEGE , HARYANA	Impact of Hydropower Project On Agriculture: A Case Study of Binwa Hydroelectric Project Haryana
7	International Conference On Global Water Crisis	1 - 3 Dec 2018	ALIGARH MUSLIM UNIVERSITY	Impact Of Hydropower Project On Agriculture: A Case Study Of Larji Hydroelectric Project
8	International Conference on Sustainable Water Management	10-11th Dec, 2018	BHAKRA BEAS MANAGEMENT BOARD (BBMB)	“A review of environmental flow methods for application in the hydropower project, Beas river basin Himachal Pradesh”
9	HYDRO – 2018 International (Hydraulics, Water Resources and Coastal Engineering	19th to 21st December	NATIONAL INSTITUTE OF TECHNOLOGY PATNA	Agricultural drought assessment using GIS: a case study
10	The 4th World Congress on Disaster Management (WCDM-2019)	29th Jan - 1st Feb 2019	INDIAN INSTITUTE OF TECHNOLOGY (IIT) BOMBAY	Identification of Groundwater Potential Zones Using GIS- Drought Mitigation Measure: A Case Study of Gangavalli, Salem District
11	2nd International Conference on Sustainable Technologies for Environmental Management	25 th to 26 th of March, 2019	DELHI TECHNOLOGICAL UNIVERSITY, NEW DELHI	Evaluation of Environmental flow by Hydrology Method for Sustainable Agricultural Practices
12	International Conference on Sustainable Environment & Civil Engineering’ (ICSECE’19)	28th Mar – 29th Mar 2019	EASWARI ENGINEERING COLLEGE, RAMAPURAM, CHENNAI	The Study of Drainage Patterns of Sub Basin of Beas River for Sustainable Environmental Planning, Himachal Pradesh

Professional Attributes

1. Knowledge in developing and administering resource plans and budgets.
3. Strong verbal and written communication skills.
4. Computer literate, with high level of competence in the use of the Microsoft Office suite of tools, including Microsoft Excel/PowerPoint/Project.
5. Possess the knowledge about the water treatment and waste water treatment methods.

Academia Awards

- Best YRC President Award for the year 2013-2014
- Overall winner of Milan cultural of SRM Kattangulathur 2012.

Declaration

I do hereby declare that the above mentioned details are true to the best of my knowledge and I bear the sole responsibility for the correctness of the above mentioned particulars.

Date:

Chennai

Signature
(Saravanan.R)