

## CURRICULUM-VITAE



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Present Designation: Professor

Father's name: Sri. N. RAMULU

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R.R. Dist. PIN: 501 505

### DETAILS OF EDUCATIONAL QUALIFICATIONS :

Name of the examination	Name of the Univ.	Year of passing	% of marks	Subjects taken
B. Tech.	Kakatiya Univ., WARANGAL	1985	70.9	Civil Engg
M. E.	Anna Univ., MADRAS	1988	84.56	Irrigation Water Mgt.
Ph. D.	IIT., BOMBAY	1998	-	Jet Mixing in Flocculators

**MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:**

Life member of Indian Society for Technical Education (LM4310)

Life member of Indian Society for Hydraulics (LM447)

**TEACHING AND RESEARCH EXPERIENCE:**

Teaching Experience : 29.0 Years

Research Experience : 28.0 Years

Total teaching and research experience : 33.0 years

**PATENTS :**

Applied for a patent as a joint author on 'Redesign of Flow distribution Chamber through Simulation' - a component in primary treatment unit of Water and Wastewater Treatment Plants. (Patent No. IN201941042653)

**TECHNOLOGY TRANSFER :**

Transferred the technology developed as a part of my Ph.D. program from lab to land. Provided the process design and drawing for a **Jet Flocculator** - a component in primary treatment unit of Kitchen effluent treatment plant for ANNAMRITA- ISKCON FOOD RELIEF FOUNDATION, Mumbai. The project site is located at Kanchad village near Wada, Maharashtra. (**Completed**)

S.No.	TECHNICAL NOTES PUBLISHED
1	Published an article on ' <i>Jet Flocculator for water treatment Plant</i> ' in 'The Hindu' News Paper- Science and Technology Supplement HOT LINE Column dated 29 <sup>th</sup> October, 1998.
2	Published an article on ' Rainwater Harvesting' in 'The Times of India' News Paper- dated 27 <sup>th</sup> March, 2018.

S.No.	SPONSORED PROJECTS HANDLED :
1	Principal Investigator for ' <i>Low-cost jet clariflocculators</i> ', R & D Project funded by AICTE for 6.0 lakhs during 09.04.2002 to 16.03.2005 ( <b>Completed</b> )
2	MODROBS Project in Water Resources Engg Laboratory, funded by AICTE for

	15.0 lakhs during 04.03.2004 to 07.07.2009 ( <b>Completed</b> )

S.No.	<b>CONSULTACY PROJECTS HANDLED :</b>
1	One of the three Coordinators for the quality control report to the A. P. State Government regarding the works executed under Janma Bhoomi Programme.
2	One of the three Coordinators for the preparation of Master plan to the Moulana Azad National Urdu University, Hyderabad.
3	Designed the power requirements of Lift Irrigation Scheme for the Srisaïlam Left Bank Canal.
4	Designed the gate operation schedule for the Sewage Treatment Plant, Okhla, New Delhi.
5	One of the three Coordinators for the third party inspection to works executed by HMWS&SB, Hyderabad.

S.No.	<b>RESEARCH PAPERS PUBLISHED IN JOURNALS :</b>
1	Suresh Kumar, N. and Pani, B.S. (2002), ' <i>Rapid Mixing with free jets</i> ', Journal of Indian Water Works Association, Bombay, 34(3) : 191 to 195
2	Suresh Kumar, N. and Pani, B.S. (2003), ' <i>Tapered flocculation with hydraulic jets</i> ', Journal of Indian Water Works Association, Bombay, 35(3) : 167 to 172
3	B.S. Pani, S. G. Joshi, and Suresh Kumar, N. (2008), ' <i>Retention time distribution in flocculation chambers</i> ', Journal of Indian Water Works Association, Bombay, 40(1) : 63 to 72
4	Suresh Kumar, N. , Pani, B.S. and Joshi, S. G. (2009), ' <i>Residual turbidity in hydraulic jet flocculators</i> ', Journal of Indian Society for Hydraulics, Pune, 15(2) : 108 to 117 and 16(1) : 151 (errata)
5	Suresh Kumar, N. , Pani, B.S. and Joshi, S. G. (2014), ' <i>Effect of plan geometry on flocculation</i> ', Journal of Indian Water Works Association, Bombay, 45(4) : 285 to 291
6	Prasanna S.V.S.N.D.L. and Suresh Kumar, N (2018), ' <i>Simulation of flows over an Air-Regulated Siphon Spillway</i> ', IOSR Journal of Mechanical and Civil Engineering, Ghaziabad, 15(4) : 19 to 25

	<b>Impact Factor : 3.781</b>
7	Prasanna S.V.S.N.D.L. and Suresh Kumar, N (2018), ‘ <i>Simulation of Flow Behaviour around Bridge Piers Using ANSYS – CFD</i> ’, <i>International Journal of Engineering Science Invention</i> , Ghaziabad , 7(9) : 13 to 22
	<b>Impact Factor : 5.962</b>
8	Suresh Kumar, N. and Prasanna S.V.S.N.D.L (2018), ‘ <i>Turbulence Modelling for Estimation of Hydraulic Jump Height</i> ’, <i>STM Journal of Recent Trends in Fluid Mechanics</i> , Noida, 5(3) : 1 to 11
	<b>UGC Approved Journal without any processing fee</b>
9	Prasanna S.V.S.N.D.L and Suresh Kumar, N. (2019), ‘ <i>Reproduction of Water Surface Profile Using Ansys – CFD</i> ’, <i>International Journal of Engineering Science Invention</i> , Ghaziabad, 8(5) : 43 to 50
	<b>Impact Factor : 5.962</b>
10	Prasanna S.V.S.N.D.L. and Suresh Kumar, N (2019), ‘ <i>Estimation and Simulation of Presures on the Profile of the Spillway</i> ’, <i>International Journal of Technical Innovation in Modern Engineering and Science</i> , 5(7) : 442 to 448
	<b>Impact Factor : 5.22</b>
11	Prasanna S.V.S.N.D.L. and Suresh Kumar, N (2019), ‘ <i>Simulation and Analytical Estimation of Spillway Flip Bucket Parameters</i> ’, <i>International Journal of Recent Technology and Engineering</i> , 8(12) : 4062 to 4066
	<b>Scopus Indexed Journal with Impact Factor : 5.54</b>
12	Bagadi Ramesh Chandra and Suresh Kumar, N (2020), ‘ <i>Theoretical Model for an Approximate one step forecasting Scheme</i> ’, <i>International Journal of Advanced Research in Engineering and Technology</i> , 11(7) : 581 to 594
	<b>Scopus Indexed Journal with Impact Factor : 10.9475</b>
13	Suresh Musham, Prasanna S.V.S.N.D.L. and Suresh Kumar, N (2020), ‘ <i>Simulation of flow characteristics of NACA 0015 airfoil using ANSYS-CFD</i> ’, <i>Solid State Technology</i> , 63(5) : 2565 to 2573
	<b>Scopus Indexed Journal with cite score of 0.3</b>
14	Chakravarthy, Prasanna S. V. S. N. D. L, and Suresh Kumar, N (2021) ‘ <i>Estimation and Simulation of Flows into an Off-taking Canal using ANSYS</i> ’, <i>Lecture notes in Civil Engineering (Advanced Modelling and Innovations in Water Resources Engineering) Vol.176</i> , Springer Nature, Singapore:21-29
15	Prasanna S.V.S.N.D.L. and Suresh Kumar, N (2022), ‘ <i>Assessment of Peak Upsurge Height adopting Simulation Analysis</i> ’ <i>International Journal for Research in Applied Science &amp; Engineering</i> , 10(2) : 914-921
	<b>Scientific Journal with Impact Factor : 7.538</b>

S.No.	RESEARCH PAPERS PUBLISHED IN CONFERENCES :
1	Suresh Kumar, N., Joshi, S.G., and Pani, B.S. (21-22, Feb, 1997), ‘ <i>Jet Flocculators</i> ’, National Conference on Environmental Hydraulics and Free Surface Flows, Visakhapatnam (A.P.), India: III-1 to III-6

2	Suresh Kumar, N., Joshi, S.G., and Pani, B.S. (16-18, Dec, 1998), 'Flocculation with the aid of Hydraulic Jets', Second International Symposium on Environmental Hydraulics, Hong Kong :771 to 776.
3	Suresh Kumar, N., Pani, B.S., and Joshi, S.G. (12-13, Oct, 2000), 'Correlation between degree of Mixing in Hydraulic Jet Flocculators and Settling Efficiency', International Conference on Innovative Technologies for Rural Water Supply and Environmental Sanitation, Roorkee, India : 268 to 275
4	Suresh Kumar, N., and Gopala Krishna Rao, B. (6-7, Dec, 2001), 'Catchment area treatment plans', National Conference on Hydraulics & Water Resources, Pune : 16 to 22
5	Sunitha, S and Suresh Kumar, N. (14-16, Feb, 2002), 'Analysis of a watershed using GIS/ARC INFO' National Conference on Geographic Information Systems and their applications in Civil Engg, Hyderabad : 128 to 132
6	Raju, P.V. , Suresh Kumar, N. and Chandrashekar, G. (3-6, Dec, 2002), 'Real time adoptive irrigation water distribution plan using satellite data', ISPRS Commission VII Symposium on Resource and Environment Monitoring, Hyderabad : 104 to 109
7	Rampradeep, A and Suresh Kumar, N. (27, Feb, 2004), ' <i>Lagrange's Method of Undetermined Multipliers for deriving Hydraulically efficient channel section</i> ', Conference on Water Resources Development and Management Practices, Hyderabad : 136 to 142
8	Suresh Kumar, N. and Hima Bindu, Y. (1-3, June, 2006), ' <i>Chemical Oxygen Demand reduction from sewage using Fly-ash</i> ', National Conference on Civil Engg Systems, Hyderabad : 649 to 655
9	Suresh Kumar, N., Pani, B.S., and Joshi, S.G. (21-22, Dec, 2007), ' <i>Estimation of energy loss in jet Flocculators</i> ', National Conference on Hydraulics & Water Resources, Surat : 279 to 286
10	Suresh Kumar, N. and Ellam Raj, Y. (5-6, Mar, 2010), ' <i>Low-Cost Jet Clariflocculators</i> ', National Conference on Sustainable Water Resources Management and Impact of Climate Change, Hyderabad : 446 to 451
11	Suresh Kumar, N. and Prasada Rao, (25-26, Feb, 2011), ' <i>Hydraulic Behaviour of Jet Clariflocculators</i> ', National Conference on Water for Future, Nanded : 42 to 48
12	Suresh Kumar, N. and Ravi Kumar, S. (25-26, Feb, 2011), 'Removal of Fluoride in Public Water Supply Systems with Free Jets', National Conference on Sustainable Development of Water Resources and Environmental Management, Jaipur : 335 to 340

13	Suresh Kumar, N. and Ravi Kumar, S. (14-16, Oct, 2011), 'Reduction of Fluoride with Free Jets for Industrial Applications', National Conference on Recent Advances in Civil Engineering, Varanasi : 598 to 601
14	Suresh Kumar, N., Pani, B.S., and Joshi, S.G. (29-30, Dec, 2011), 'Jet Flocculators for Turbid Waters', National Conference on Hydraulics & Water Resources, Surat : 472 to 476
15	Prasanna, S.V.S.N.D.L. and Suresh Kumar, N. (6-8, Jan, 2014), 'Review on Oil-Water Separators', International Conference on Emerging Trends in Civil Engineering, Hyderabad : 708 to 713
16	Suresh Kumar, N. and Sri Ramya, N (23-24, Jan, 2015), 'Restoration Measures for a Large Irrigation Tank', National Conference on Role of Engineers in the Development of New State of Telangana, Hyderabad : 82 to 89
17	Shyamsunder, B and Suresh Kumar, N. (23-24, Jan, 2015), 'Simulation of Groundwater Flow of a Micro Watershed, NGRI Campus', National Conference on Role of Engineers in the Development of New State of Telangana, Hyderabad : 114 to 121
18	Muralidhar, P, Suresh Kumar, N., and Mondal, N.C. (30-31, July, 2015), ' <i>Regional Groundwater Flow Modeling of a Watershed in Choutuppal</i> ', National Conference on Water, Environment, and Society, Hyderabad : 351 to 352
19	Suresh Kumar, N and Ravi Kumar, S. (3-5, Sep, 2015), 'Hydraulic behaviour of free jets for Fluoride reduction by Nalgonda Process', National Conference on Climate change and Sustainable Water Resources Management, Warangal : 195 to 201
20	Suresh Kumar, N. and Subodh, G (14-16, Dec, 2015), ' <i>Hydraulic Design and Risk Analysis of Stormwater Drainage System</i> ', International Conference on Recent Innovations in Structural Engineering, Hyderabad : 1811 to 1821
21	Suresh Kumar, N., Pani, B.S., and Joshi, S.G. (17-19, Dec, 2015), 'Hydraulic Behaviour of Auxiliary Devices for Rapid Mixing', International Conference on Hydraulics, Water Resources and River Engineering, Roorkee : HYD-396
22	Divya, K and Suresh Kumar, N. (21, Mar, 2018), 'Rainwater Conservation Techniques for Osmania University Campus', One-day Seminar on Water Scarcity – Possible Water Wars in Future, Hyderabad: 37-45
23	Prasanna S.V.S.N.D.L. and Suresh Kumar, N (19-20, Mar, 2019), ' <i>Replication of Peak Surge Height Using ANSYS – CFD</i> ' All India Seminar on Water and Sanitation Management , Hyderabad: 144 to 148
24	Prasanna S.V.S.N.D.L. and Suresh Kumar, N (19-20, Mar, 2019), ' <i>Analytical and</i>

	<i>simulation analysis of peak upsurge height using computaional fluid dynamics'</i> International Conference on Hydraulics, Water Resources and River Engineering (HYDRO-2019), Hyderabad: 3351-3357
25	Suresh Kumar, N. and Prasanna S.V.S.N.D.L (18-20, Dec, 2020), 'Analytical Estimation of Boundary Layer Thickness for flow over spillways', 35 Indian Engineering Congress on Engineering for Self Reliance and sustainable goals, Institution of Engineers (India), Kolkata : 529-532

<b>RESEARCH GUIDANCE: (M.E. dissertations)</b>			
S.No.	Year	Name of the student	Title of Dissertation
1	1999	A. Sudhkar	Numerical Solution of Unsteady Flows
2	1999	S. B. Sumedha	Numerical Solution of Muskingum Method for Singur Reservoir
3	2000	P. Srinivas	Development of Nomograms for the Computation of Critical Flow in Spatially Varied Flows
4	2000	B. Gopala Krishna Rao	Catchment Area Treatment Plans for Priyadarshini Jurala and Polavaram Projects
5	2000	E. Maheshwar Reddy	Analysis and Design of Pressure Conduits for Water Hammer
6	2001	N. Seshadri Sekhar	A Case Study on the Effect of Change in Landuse/Landcover on Computed Surface Runoff using Remote Sensing and GIS Technologies
7	2001	S. Sunitha	A Case Study on Development of a Watershed using GIS/ARC INFO
8	2001	R. Sambasiva Rao	Analysis and Design of a Mini Hydro Electric Scheme on Ogeru Vagu
9	2002	A. Ram Pradeep	Lagranges Method of Undetermined Multipliers for Deriving Hydraulically Efficient Channel Section
10	2002	P. Venkat Raju	Optimal Allocation of Irrigation Water Supplies using Satellite derived Crop Area and Calendar Information at Tertiary Canal Level
11	2003	D. Lokya	Hydraulic Design of Drip Irrigation System
12	2005	Y. Hima Bindu	Chemical Oxygen Demand Reduction from Sewage using Fly Ash
13	2005	V. Sekhar Rao	Development of Rule Curves for Pulichintala Reservoir
14	2005	G. Sashidhar	Design of Pipe Network for Wastewater Treatment Systems
15	2006	Mahaboob Subani Shaik	Evaluation of a Small Watershed
16	2010	S. Ravi Kumar	Reduction of Fluoride Concentration with Free Jets
17	2012	G. Subodh	Risk Analysis of Stormwater Drainage System of Osmania University
18	2014	N. Sri Ramya	Restoration Measures for a Large Irrigation Tank

19	2015	B. Shyamsunder*	Simulation of Groundwater Flows of a Micro Watershed, NGRI Campus
20	2015	P. Muralidhar*	Regional Groundwater Flow Modelling of a Watershed in Choutuppal
21	2015	Shanawaz Ahmed Shaik	Improvement of Stormwater Drainage System using SWMM for Cuttack City
22	2017	K.Divya	Rainwater Conservation Techniques for Osmania University Campus
23	2017	B. Arun Kumar	Analysis of Water Hammer by Method of Characteristics
24	2019	S. Kiran Kumar	Redesign of flow distribution chamber through simulation

\* In association with NGRI

S.No.	TRAINING COURESES ATTENDED :
1	Participated in a 23-day ' <i>Orientation Course</i> ' (3 <sup>rd</sup> to 25 <sup>th</sup> February, 2000) being organized by the Academic Staff College, Osmania University, Hyderabad.
2	Participated in a 5-day short-term course on ' <i>Introduction to wind tunnel testing techniques</i> ' (27 <sup>th</sup> to 31 <sup>st</sup> May, 2002) being organized by the Indian Institute of Technology, Kanpur.
3	Participated in a 6-day short-term course on ' <i>Municipal Wastewater treatment</i> ' (28 <sup>th</sup> April to 3 <sup>rd</sup> May, 2003) being organized by the Indian Institute of Science, Bangalore.
4	Participated in a 7-day short-term course on ' <i>Soft Computing tools in Civil Engg</i> ' (10 <sup>th</sup> to 16 <sup>th</sup> November, 2003) being organized by the Indian Institute of Technology, Kharagpur.
5	Participated in a 5-day short-term course on ' <i>Soil and Water Pollution</i> ' (01 <sup>st</sup> to 05 <sup>th</sup> December, 2003) being organized by the Indian Institute of Science, Bangalore.
6	Participated in a 11-day short-term course on 'Applications of Remote Sensing & GIS in Water Resources Development and Management' (06 <sup>th</sup> to 16 <sup>th</sup> January, 2004) being organized by National Water Academy, Pune.
7	Participated in a 5-day short-term course on ' <i>Advances in Groundwater Research</i> ' (17 <sup>th</sup> to 21 <sup>st</sup> January, 2005) being organized by the Indian Institute of Technology, Delhi.
8	Participated in a 5-day short-term course on ' <i>Recent Trends in Dam Engg</i> ' (05 <sup>th</sup> to 09 <sup>th</sup> June, 2006) being organized by the Indian Institute of Technology, Guwahati.



9	Participated in a 2-day training course on ' <i>Plumbing and Sanitary Services in Buildings</i> ' (22 <sup>nd</sup> and 23 <sup>rd</sup> May, 2008) being organized by the National Council for Cement and Building Materials, Hyderabad.
10	Participated in a 21-day Refresher course on ' <i>Integrated Survey with DGPS and Total Station</i> ' (13 <sup>th</sup> Oct, 2008 to 04 <sup>th</sup> Nov, 2008) being organized by the Jawaharlal Nehru Technological University, Hyderabad.
11	Participated in a 5-day short-term course on ' <i>Earthquake analysis of dams</i> ' (17 <sup>th</sup> to 21 <sup>st</sup> August, 2009) being organized by the Indian Institute of Technology, Kharagpur.
12	Participated in a 5-day short-term course on ' <i>Hydraulics and the Environment</i> ' (1 <sup>st</sup> to 5 <sup>th</sup> August, 2011) being organized by the Indian Institute of Technology, Bombay.
13	Participated in a 5-day short-term course on ' <i>Hydraulic Structures</i> ' (12 <sup>th</sup> to 16 <sup>th</sup> March, 2012) being organized by the Indian Institute of Technology, Bombay.
14	Participated in a 5-day short-term course on ' <i>Turbulent Jets and Plumes : Theory and Application</i> ' (14 <sup>th</sup> to 18 <sup>th</sup> January, 2013) being organized by the Indian Institute of Technology, Bombay.
15	Participated in a 5-day short-term course on 'Sediment Transport and River Engineering' (9 <sup>th</sup> to 13 <sup>th</sup> December, 2013) being organized by the Indian Institute of Technology, Bombay.
16	Participated in a 5-day short-term course on 'The Musts of Fluid Mechanics' (26 <sup>th</sup> to 30 <sup>th</sup> May, 2014) being organized by the Indian Institute of Technology, Bombay.

S.No.	NATIONAL AND INTERNATIONAL CONFERENCES ATTENDED :
1	National Conference on Environmental Hydraulics and Free Surface Flows, Visakhapatnam, India, (21 <sup>st</sup> & 22 <sup>nd</sup> February, 1997), Suresh Kumar, N., Joshi, S.G., and Pani, B.S., ' <i>Jet Flocculators</i> ' : III-1 to III-6
2	International Conference on Innovative Technologies for Rural Water Supply and Environmental Sanitation, Roorkee, India, (12 <sup>th</sup> & 13 <sup>th</sup> October, 2000), Suresh Kumar, N., Pani, B.S., and Joshi, S.G. , ' <i>Correlation between degree of Mixing in Hydraulic Jet Flocculators and Settling Efficiency</i> ': 268 to 275
3	National Conference on Hydraulics & Water Resources, Pune, India, (06 <sup>th</sup> & 07 <sup>th</sup> December, 2001), Suresh Kumar, N., and Gopala Krishna Rao, B. , ' <i>Catchment area treatment plans</i> ,: 16 to22

4	National Conference on Geographic Information Systems and their applications in Civil Engg, Hyderabad, India, (14 <sup>th</sup> to 16 <sup>th</sup> February, 2002) Sunitha, S and Suresh Kumar, N. ' <i>Analysis of a watershed using GIS/ARC INFO</i> ' : 128 to 132
5	Conference on Water Resources Development and Management Practices, Hyderabad, India, (27 <sup>th</sup> February, 2004), Rampradeep, A and Suresh Kumar, N. , ' <i>Lagrange's Method of Undetermined Multipliers for deriving Hydraulically efficient channel section</i> ' : 136 to 142
6	National Conference on Sustainable Water Resources Management and Impact of Climate Change, Hyderabad (5 <sup>th</sup> & 6 <sup>th</sup> March, 2010), Suresh Kumar, N. and Ellam Raj, Y. ' <i>Low-Cost Jet Clariflocculators</i> ': 446 to 451
7	National Conference on Recent Advances in Civil Engineering, Varanasi (14 <sup>th</sup> to 16 <sup>th</sup> October, 2011), Suresh Kumar, N. and Ravi Kumar, S. ' <i>Reduction of Fluoride with Free Jets for Industrial Applications</i> ': 598 to 601
8	National Conference on Role of Engineers in the Development of New State of Telangana, Hyderabad (23 <sup>rd</sup> and 24 <sup>th</sup> January, 2015), Suresh Kumar, N. and Sri Ramya, N, ' <i>Restoration Measures for a Large Irrigation Tank</i> ': 82 to 89
9	National Conference on Climate change and Sustainable Water Resources Management, Warangal (3 <sup>rd</sup> to 5 <sup>th</sup> September, 2015), Suresh Kumar, N and Ravi Kumar, S., ' <i>Hydraulic behaviour of free jets for Fluoride reduction by Nalgonda Process</i> ', : 195 to 201
10	International Conference on Hydraulics, Water Resources and River Engineering, Roorkee (17 <sup>th</sup> to 19 <sup>th</sup> December, 2015), Suresh Kumar, N., Pani, B.S., and Joshi, S.G. ' <i>Hydraulic Behaviour of Auxiliary Devices for Rapid Mixing</i> ': HYD-396
11	One-day Seminar on Water Scarcity – Possible Water Wars in Future, Hyderabad (21, Mar, 2018), Divya, K and Suresh Kumar, N. ' <i>Rainwater Conservation Techniques for Osmania University Campus</i> ': 37-45
12	All India Seminar on Water and Sanitation Management , Hyderabad (19-20, Mar, 2019), ' <i>Replication of Peak Surge Height Using ANSYS – CFD</i> ': 144 to 148
13	International Conference on Hydraulics, Water Resources and River Engineering, Hyderabad-HYDRO-2019 (18 <sup>th</sup> to 20 <sup>th</sup> December, 2019), Prasanna S.V.S.N.D.L. and Suresh Kumar, N ' <i>Analytical and simulation analysis of peak upsurge height using computaional fluid dynamics</i> ': 3351-3357
14	35 <sup>th</sup> Indian Engineering Congress on Engineering for Self Reliance and Sustainable Goals, Kolkata (18-20, Dec,2020), Prasanna S.V.S.N.D.L. and Suresh Kumar, N,

	<i>'Analytical Estimation of Boundary Layer Thickness for flow over spillways':</i>
15	National Conference on Advanced Modelling and Innovations in Water Resources Engineering, NIT, Jamshedpur (20-21, Feb,2021), Prasanna S.V.S.N.D.L. and Suresh Kumar, N <i>'Estimation and Simulation of Flows into an Off-taking Canal using ANSYS'</i> :
16	Virtual International Conference on Innovative Trends in Hydrological and Environmental Systems, NIT, Warangal (28-30, Apr, 2021), Prasanna S.V.S.N.D.L. and Suresh Kumar, N <i>'Replication and Evaluation of Peak upsurge height using ANSYS-CFD'</i> :

S.No.	<b>WORKSHOPS ATTENDED :</b>
1	Participated in a 3-day workshop on <i>'Earth quake Disaster Mitigation'</i> (18 <sup>th</sup> to 20 <sup>th</sup> August, 1999) being organized by the Indian Institute of Public Administration , New Delhi.
2	Participated in a 1-day workshop on <i>'Artificial Neural Networks in Hydraulics'</i> (5 <sup>th</sup> July, 2003) being organized by the Indian Society for Hydraulics, Pune.
3	Participated in a 1-day workshop on <i>'Environmental Pollution and Remedial Measures'</i> (26 <sup>th</sup> June, 2004) being organized by Kakatiya Institute of Technology & Science, Warangal .
4	Participated in a 1-day workshop on <i>'Advances in Computational Structural Mechanics and Fluid Flows'</i> (5 <sup>th</sup> December, 2005) being organized by Osmania University College of Engg, Hyderabad.
5	Participated in a 3-day workshop on <i>'Integrated Survey Using Total Station and GPS'</i> (15 <sup>th</sup> to 17 <sup>th</sup> April, 2008) being organized by Jawaharlal Nehru Technological University, Hyderabad.
6	Organized a 2-day workshop on <i>'Urban Stormwater Management-Issues and Challenges'</i> (20 <sup>th</sup> and 21 <sup>st</sup> February, 2009) at Dept of Civil Engg, Osmania University College of Engg, Hyderabad.
7	Participated in a 3-day training program on <i>'Applied Groundwater Flow and Contaminant Transport Modelling'</i> (27 <sup>th</sup> to 29 <sup>th</sup> January, 2014) being organized by Schlumberger water services, Hyderabad.
8	Participated in a 2-day workshop on <i>'Teaching, Learning and Assessment Methodologies'</i> (13 <sup>th</sup> and 14 <sup>th</sup> December, 2016) being organized by Osmania University College of Engg, Hyderabad.

9	Participated in a 1-day workshop on ' <i>Awareness to Outcome based Education and Accreditation</i> ' (18 <sup>th</sup> December, 2016) being organized by Osmania University College of Engg, Hyderabad.
10	Participated in a 1-day workshop on ' <i>IP AWAKE: One day IP Awareness Program for Academia</i> ' ( 24 <sup>th</sup> January, 2018) being organized by Osmania University Centre for IPR & Patent Facilitation Services, Hyderabad and Confederation of Indian Industry, Hyderabad.
11	Participated in a workshop on <i>IP Awareness Program</i> under National Intellectual property Awareness Mission ( 07 <sup>th</sup> March, 2022) being organized by College of Engineering(A), Osmania University & Intellectual Property Office, Chennai, India

S.NO.	INVITED TALKS :
1	'Unit Processes in Water Treatment' at Hyderabad Metro Water Supply and Sewerage Board Training Programme for Managers funded by World Bank (February,1998).
2	'Hydrology' at one day orientation workshop on Issues in Water being organized by Godavari Vedika, Hyderabad (September,2003).
3	'Flood Management- Structural and Non-Structural measures' being organized by Engg Staff College of India, Hyderabad (September,2004).
4	'Design Criteria & Specifications of Sewerage Systems' being organized by Engg Staff College of India, Hyderabad (26, November, 2012).
5	'Design Equations of Sewerage Systems' being organized by Engg Staff College of India, Hyderabad (26, November, 2012).
6	'Application of Design Principles of Sewerage Systems' being organized by Engg Staff College of India, Hyderabad (27, November, 2012).
7	'Design of a pumping Station' being organized by Engg Staff College of India, Hyderabad (27, November, 2012).
8	'Hydraulic Design and Risk Analysis of Stormwater Drainage Systems' being organized by Engg Staff College of India, Hyderabad (30, November, 2012).
9	'Special treatments in wastewater recycling' being organized by Engg Staff College of India, Hyderabad (07, December, 2012).

10	‘Types of sewage treatment plants and stages of treatment’ being organized by Engg Staff College of India, Hyderabad (01, February, 2013).
11	‘Design of Water Supply Systems in High Rise Buildings’ being organized by Engg Staff College of India, Hyderabad (02, August , 2014).
12	‘Design of Plumbing Systems in High Rise Buildings’ being organized by Engg Staff College of India, Hyderabad (02, August , 2014).
13	‘Design of Sluices’ being organized by Engg Staff College of India, Hyderabad (06, October , 2015).
14	‘Energy Dissipation Arrangements’ being organized by Engg Staff College of India, Hyderabad (06, October , 2015).
15	‘Decentralized Water Resources Management’ being organized by Ministry of New and Renewable Energy Govt of India and The Energy and Resources Institute, New Delhi (17, February, 2016)
16	‘Wastewater Treatment Options and Soil Bio-Technology’ being organized by Deutsche Gesellschaft for Internationale Zusammenarbeit GmbH, and Centre for Science and Environment, New Delhi at ESCI, Hyderabad (20, April,2016)
17	‘Sustainable Development of Water Resources’ being organized by National Thermal Power Corporation, Lucknow (5, May, 2016)
18	‘Overview of Water Treatment-Selection of Treatment Unit and Plant Design Processes (Coagulation, and Flocculation)’ being organized by Xavier University, Bhubaneswar (29 <sup>th</sup> May,2016 to 03 <sup>rd</sup> June, 2016)
19	‘Overview of Water Treatment-Selection of Treatment Unit and Plant Design Processes (Sedimentation, and Filtration)’ being organized by Xavier University, Bhubaneswar (29 <sup>th</sup> May,2016 to 03 <sup>rd</sup> June, 2016)
20	‘Overview of Water Treatment-Selection of Treatment Unit and Plant Design Processes (Disinfection, and Softening)’ being organized by Xavier University, Bhubaneswar (29 <sup>th</sup> May,2016 to 03 <sup>rd</sup> June, 2016)
21	‘Water Distribution Network Design’ being organized by Xavier University, Bhubaneswar (29 <sup>th</sup> May,2016 to 03 <sup>rd</sup> June, 2016)
22	‘Water Supply Installations in Residential and Non-Residential Buildings’ being organized by Xavier University, Bhubaneswar (29 <sup>th</sup> May,2016 to 03 <sup>rd</sup> June, 2016)
23	‘Sanitary Installations in Residential and Non-Residential Buildings’ being organized

	by Xavier University, Bhubaneshwar (29 <sup>th</sup> May,2016 to 03 <sup>rd</sup> June, 2016)
24	‘Hydraulic Design of Sewer Network (Sewerage Systems)’ being organized by Xavier University, Bhubaneshwar (14 <sup>th</sup> June,2016 to 16 <sup>th</sup> June, 2016)
25	‘Hydraulic Design of Sewer Network (Storm-water Drainage Systems)’ being organized by Xavier University, Bhubaneshwar (14 <sup>th</sup> June,2016 to 16 <sup>th</sup> June, 2016)
26	‘Sewer Appurtenances-Manholes, house sewer connection chambers, inspection chambers’ being organized by Xavier University, Bhubaneshwar (14 <sup>th</sup> June,2016 to 16 <sup>th</sup> June, 2016)
27	‘Overview of Sewage Treatment’ being organized by Xavier University, Bhubaneshwar (14 <sup>th</sup> June,2016 to 16 <sup>th</sup> June, 2016)
28	‘Discharge Measurements in Canals’ being organized by Engg Staff College of India, Hyderabad (08, January, 2018).
29	‘Water Treatment Processes’ being organized by Jawaharlal Nehru Technological University, Hyderabad (5 <sup>th</sup> January,2019)
30	Joint speaker on ‘Turbulence Modelling to Irrigation Engineering Department Applications’ being organized by Water and Land Management Training and Research Institute, Hyderabad (28, February, 2019)
31	Key note lecture by Suresh Kumar, N and Prasanna S.V.S.N.D.L. ‘Application of ANSYS – CFD to flow problems’ National Conference on Water, Environment, and Society, JNTU, Hyderabad (05-07, June, 2019)
32	Joint speaker on ‘Experimental and Simulation studies on Air Regulated Syphon Spillways’ being organized by Rajiv Gandhi University of Knowledge Technologies, Basar (19, August, 2019)
33	Joint speaker on ‘Introduction to and Applications of Simulation through ANSYS-CFD in Water Resources Engineering’ being organized by Veer Surendra Sai University of Technology, Burla (15, November, 2019)
34	Key note lecture by Suresh Kumar, N and Prasanna S.V.S.N.D.L. ‘Assessment and Replication of flows into an off-taking canal’ International National Conference on Recent Advances in Civil Engineering Infrastructure, MJCET, Hyderabad (16-18, December, 2019)
35	Panel Speaker on ‘Hydraulic Engineering Concepts’ in Web conference on Catch the Rain - Where it falls – When it falls, being organized by Telangana State Centre at Khairtabad, Hyderabad (18, July, 2020)

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