

RESUME

NAME : Dr. ANAND VEERAPPA SHIVAPUR

NATIONALITY : INDIAN

DATE OF BIRTH : 09.04.1962.

PROF. EXPERIENCE : 34 Years

ADDRESS FOR COMMUNICATION:



OFFICE	RESIDENCE
Professor of Water and Land Management Program, Chairman, Department of Civil Engineering, Visvesvaraya Technological University, Belagavi-590 018 Phone No. 0831- 2498251, 2498198. Fax No. : 0831-2498253.	"ANAND NIVAS" U.B.Hills, 1st Cross, Dharwad-580001. Ph : 0836-2749006. Mobile:9448110038 E-Mail : av_shivapur@rediffmail.com

EDUCATIONAL QUALIFICATION:

SL.No	Qualification	College	University	Year of passing
01.	B.E. Civil Engg.	S.D.M. College of Engg. & Tech., Dharwad-580 002	Karnataka University, Dharwad	1984
02.	M.E.(Hydraulics)	National Institute of Engg., Mysore	University of Mysore, Mysore.	1987
03.	Ph.D. (Civil Engg.)	JNN College of Engineering, Shimoga	Kuvempu University, Shimoga.	2004

EXPERIENCE:

(A)

Sl. No.	Position	Institution	Period
1	Professor of Water and Land Management Program [#]	Dept. of Civil Engineering, VTU, Belagavi	9-12-2013 till date
2	Professor of Civil Engg.*	SDM College of Engg. & Tech., Dharwad-580 002	1-1-2006 to 7-12-2013
3	Asst. Professor	-do-	1-4-1997 to 31-12-2005
4	Lecturer	-do-	8-9-1986 to 31-3-1997

Worked as Chairperson, Department of Civil Engineering, VTU, Belagavi from 15th June 2019 to 9th December 2021.

#Worked as Regional Director, Regional Office-Belagavi, VTU, Belagavi from 2-11-2016 to 3rd October 2019.

#Worked as PG Coordinator, VTU, Belagavi from 29-09-2017 to 29-06-2019 and from 12-03-2014 to 05-10-2015.

***Worked as Dean-Faculty of Engineering, VTU, Belagavi from 12-03-2015 to 05-10-2015.**

****Worked as Dean (Infrastructure, Development and Planning) from 23-10-2007 to 11-09-2012.***

****Worked as Principal (I/C) from 30-10-2010 to 13-05-2011 and 11-07-2012 to 11-09-2012.***

(B) Member of 8th Academic Senate of VTU, Belagavi from 23-06-2022 for a period of Three years.

© Chairman, BoS in Civil Engineering Sciences for UG and PG Programs of University departments and PG Programs of Constituent and all affiliated Colleges of VTU, Belagavi for the period 2022 to 2025.

(D) Hon. Secretary, “The Institution of Engineers (INDIA), Dharwad Local Center, Dharwad” for the biennial period 2000-2002 (Two years).

(E) Chairman “The Institution of Engineers (INDIA), Dharwad Local Center, Dharwad” from 29-10-2010 for a period of two years.

(F) Council Member “The Institution of Engineers (INDIA), Kolkatta” from December 2010 to December 2012.

Experience in Administrative positions:

- Worked as a Chairman, Department of Civil Engineering, VTU, Belagavi from 19-06-2019 to 9-12-2021. Responsible for formation of Academic council, and to coordinate Post graduate programs conducted at Belagavi, Kalaburgi, and Mysore Premises of VTU, Belagavi.
- Worked as a Regional Director, Regional Office-Belagavi, VTU, Belagavi administering all the 32 affiliated and autonomous institution, attached to VTU-RO Belagavi. Responsible for conduction of Laboratory, Theory examinations of both UG and PG programs in addition to appointment of personnel for the smooth conduct of examinations. Also coordinating the admission, examination and administration of various Post graduate courses offered by VTU in its Belagavi campus.
- Worked as a PG Coordinator/Principal for the Centre for PG studies, VTU, Belagavi enhancing the activities of the centre. The centre has added PG Program in Structural Engineering in the year 2017 with an intake of 25. Instrumental in creation of facilities for all the eight existing PG program such as Faculty chambers, Laboratories etc.
- Worked as Principal (I/C), SDMCET, Dharwad from 30-10-2010 to 13-05-2011 and from 10-07-2012 to 11-09-2012. Discharged duties diligently with regard to students admission to UG and PG programs, AC and GC meetings, Graduation day 2012, faculty and supporting staff appointments successfully. The institution has progressed in all aspects raising the standards of education along with conducting several technical and cultural activities for the overall development of the institution more particularly staff and students.
- As a Dean of Infrastructure, Planning and Development at SDMCET, successful in reorganization planning and development of various departments in SDM college of Engineering and Technology to meet the requirement of regulatory body and self sufficiency of the institution for further growth during 2009 to 2012.
- *Worked as a chairman of Store and Purchase Department at SDMCET, Dharwad during 2010 to 2012 and responsible for purchase of consumable and non consumable (Equipments, soft ware's etc.). The major task of renovation of most of the laboratories was taken up and also the old equipments and instruments which were in unserviceable working conditions and are not of any use were disposed of following the norms of GoK and SDME Society, Ujire.*
- Responsible for the establishment of Research Facility in Fluid Mechanics laboratory to do experiments of innovative nature.
- Instrumental in establishment of Civil Engineering Association, incidentally, it is the first association established in SDMCET. Technical talks / workshops / field visits / exhibitions

were held routinely on almost every Friday afternoon since its establishment in 1999. I was the first secretary of the Civil Engg. Association and worked for six long years.

- Discharged my duty as executive member of Institution of Engineer (India), Dharwad Local Centre, Dharwad from 1996 to October 2014. I have worked as Secretary of IEI, DLC, for the biennial period from Oct 2001 to Oct 2003 and Chairman for the biennial period from Oct 2010 to Oct 2012. I am responsible to start AMIE Examination centre at IEI, Dharwad. Worked as superintendent and officer in-charge for AMIE Section-A examination held at IEI premises, Dharwad several times.
- Worked as a Council Member of IEI at National Level to steer and promulgate the activities of the Institution of Engineers (India) reaching more people through dissemination of knowledge doing work in fields of technical and societal needs.
- Responsible for starting Indian Concrete Institute, Hubli-Dharwad Chapter. The recognition of best construction practices in the field of residential, private, public and Government buildings for Award was my idea, which is continued even today.
- Working as executive committee member of Indian Geotechnical Society, Hubli since its inception in 2004.

RESEARCH SUPERVISION:

- I. Guided Four research scholars for Ph. D. The titles of the thesis are;
 - I. *Passive control of high speed jets*
 - II. *River Water Quality Monitoring, Modeling and Management.*
 - III. *Coastal Zone Management with Special Reference to Seawater Intrusion in Parts of South-West Coast of India*
 - IV. *Impact of Solid Wastes on Surface and Ground Water Quality of Belgaum*
- II. Three research scholars have submitted their thesis for award. The titles of the thesis are;
 - I. *Development of Lab Scale Model of Vertical Flow Constructed Wetland System for Analyzing, Assessing and Treating of Jayanti Nallah Waste Water: an Integrated Approach towards Sustainability (Viva Voce Examination is conducted on 17th November 2022)*
 - II. *A Study on Properties of Self Compacting Self Curing Concrete with Crushed Rock Powder (All three reviews are received and Viva Voce Examination is pending).*
 - III. *An Experimental Investigation on Characteristic Properties of Self-Curing Concrete(All three reviews are received and Viva Voce Examination is pending).*
- III. Guided one research scholars for M. Sc. Engg. By Research. The title of the thesis is;
 - i) *Storm Water Drainage System of Annanagar and Ashoknagar of Shimoga City, Karnataka, India- A case Study.*
- IV. Guiding Threereasearch scholars for their Ph.D.

AWARDS, RECOGNITION, HONORS AND SCHOLARSHIP RECEIVED:

- **Member of 8th Academic Senate of VTU, Belagavi for three years with effect from 23rd June 2022.**
- **Chairman, Board of Studies** in Civil Engineering Sciences (CV/TR/EV/CC/Mining/Planning and allied programs), VTU, Belagavi-18 for the period 2022-2025.
- **Received “Lifetime Achievement Award- International Scientist Award” from VDGGOODS Professional Association, held on 04 & 05 December 2021, Visakhapatnam, India of Institution of Engineers (India) for the Contribution to the Cause of Engineering and Nation (Received by post on 30th December 2021).**

- Received **"Scroll of Honour"** from **The Institution of Engineers (India)** for the Contribution to the Cause of Engineering and Nation Building for being the Past Chairman of IEI, Dharwad Local Centre (Received by post on 30th January 2021).
- **Member of Editorial team**, American Journal of Environment and Climate from March 2022.
- **Reviewer** for Frontiers in Earth Science Journal articles.
- **Reviewer** for articles submitted to Academia Letters, USA.
- **Member of Council**, The Institution of Engineers, Kolkatta, Dec 2010- Dec 2012.
- **Member of (i) Board of Civil Engineering (ii) Regional Co-ordination Committee and (iii) Examination Disciplinary Committee**, The Institution of Engineers, Kolkata, Dec 2010- Dec 2012.
- **Member of a editorial board** for an **International Journal of Earth Sciences and Engineering** published by CAFET-INNOVA Technical Society, Hyderabad.
- **Member of editorial committee** for the Journal on Civil Engineering published by i-manager, Tamilnadu, India-629 001.
- **Reviewed Ph. D. Thesis** of JNTU- Hyderabad, Kuvempu university- Shimoga, Jain University- Bangalore
- **Reviewer for an International Journal of Science and Technology** published by Scientia Iranica, Iran
- **Reviewer for an International Journal of Earth Sciences and Engineering** published by CAFET-INNOVA Technical Society, Hyderabad.
- **Reviewer for an International Journal of Energy and Power.**
- **Reviewer for ISH Journal of Hydraulic Engineering** published by the Indian Society for Hydraulics.
- Winner of **Cash award for publication of Papers in Journals** given by the institution SDM College of Engineering and Technology on 26-01-2010.
- **Received the Best Prize award for the Project " Guddadamallapur Lift Irrigation Project" by Alumni Association of SDMCET, Dhrwad on 9th June 2006.**
- **Member of Board of Studies, UG and PG Programmes in Civil Engineering**, at Kuvempu University, Shimoga from a period of Three Years staring from 24-08-2007.
- **Member, Board of Studies** and **Board of Examiners** for the Civil Engineering (UG & PG), VTU, Belagavi-18 for the period 2017-2019.
- **Member, Board of Studies** in Civil Engineering (CV/TR/EV/CC), VTU, Belagavi-18 for the period 2019-2022.
- Received **"Best Teacher Award of Civil Engineering Department for the year 2008"** on the republic day by the SDM College of Engineering and Technology, Dharwad.
- **Resource person** for GATE and IES training at BVBCET, Hubli during 2003.
- Received **"Great Achievers of India"** award. The award was given by **"Front for National Progress (Regd), Delhi-2003.**
- Received **"Bharat Vikas Award"** in recognition of contributions made to Education, Engineering and Society. Award was honored by **Integrated Council for Socio Economic Progress (Regd), New Delhi on 29th May 2002** during the **National Seminar on "Development Challenges towards 21st Century India"** held at Bangalore.
- **Chartered Engineer (India):** received from The Institution of Engineers (India) by virtue of Professional Training , Experience and Corporate Member of IEI on 20th August 1996.
- **Guest faculty at Water and Land Management Institute (WALMI) at Dharwad** for the year 1994-1995.
- Received **National Scholarship** during Post graduation program through **GATE in 1985-86.**

PROFESSIONAL MEMBERSHIP:

- FELLOW MEMBER, THE INSTITUTION OF ENGINEERS (INDIA): **F-109908/2**
- FELLOW MEMBER, INDIAN GEOTECHNICAL SOCIETY: **LF-0469**

- LIFE MEMBER, INDIAN SOCIETY FOR TECHNICAL EDUCATION: **LM-7274**
- LIFE MEMBER, ASSOCIATION OF HYDROLOGIST OF INDIA: **LM-154.**
- LIFE MEMBER, INDIAN CONCRETE INSTITUTE: **M-6471.**
- LIFE MEMBER, INDIAN SOCIETY FOR HYDRAULICS: **M-480.**
- LIFE MEMBER, THE AMERICAN SOCIETY OF CIVIL ENGINEERS-INDIA SECTION: M-991.
- LIFE MEMBER, INDIAN ASSOCIATION OF HYDROLOGIST: **LM-191**

PAPERS SUBMITTED FOR JOURNALS:

1. An Empirical Approach to Assess Vulnerability of Shallow aquifers in parts of North Goa coast", submitted to Environmental Monitoring and Assessment on 13 December 2022, Springer Nature Switzerland AG. Part of Springer Nature.

PAPERS PUBLISHED IN INTERNATIONAL / NATIONAL JOURNALS:

1. ***"Sustainable Development Through Use of Self-Curing Concrete"***, Journal of Concrete Construction, RNI Reg. No. 63133/95, Volume 01, Issue 03, September-October 2022, pp: 34-38.
2. ***"Evaluation of Water Movement and Hydraulic Conductivity Under Different Water Stress Conditions Using HYDRUS-1D Mode"***, International Journal of Innovation Research in Engineering, ISSN 2582- 8746, Volume 3, Issue 5, September-October 2022, pp: 61-64.
3. ***"Evaluation of Various Conservation Practices on Runoff and Sediment Yield Using SWAT for T. Narasipur Watershed, Southern Karnataka, India."***, International Journal for Research Trends and Innovation, ISSN 2456- 3315, Volume 7, Issue 10, 2022, pp:14-24.
4. ***"Characteristic of drought using remote sensing data and analyzing relation between different indices: A case study of Davanagere district of Karnataka state, India"***, International Journal for Research Trends and Innovation, ISSN 2456- 3315, Volume 7, Issue 9, 2022, pp: 734-741.
5. ***"Study of Drought Variation Based on SPI determined for Various Time Scales over the Belagavi District, Karnataka, India"***, International Journal of Innovation Research in Engineering, ISSN 2582- 8746, Volume 3, Issue 5, September-October 2022, pp: 32-36.
6. ***"Land Use Land Change Study of Hemavathi Watershed, Karnataka State, India"***, International Journal of Innovation Research in Engineering, ISSN 2582- 8746, Volume 3, Issue 5, September-October 2022, pp: 08-12.
7. ***"Drought vulnerability assessment and analysis for Vijayapura district, Karnataka state, India"***, International Journal of Application or Innovation in Engineering & Management (IJAIE), ISSN 2319 - 4847, Volume 11, Issue 6, June 2022, pp: 39-47.
8. ***"Evaporation, Degree of Hydration, Porosity and Gel/Space Ratio of Self-Curing Polymer PEG 400 Modified Ordinary Portland Cement Paste"***, Journal of Applied Science and Engineering (Received: Nov. 02, 2021; Accepted: Feb 12, 2022), Vol. 26, No 3, pp: 303-311.
9. ***"Effect of Agroforestry Development on Runoff Generation Over a Catchment"***, International Journal of Application or Innovation in Engineering & Management (IJAIE), ISSN 2319 - 4847, Volume 10, Issue 10, October 2021, pp: 1-8.
10. ***"Effect of Self-Curing on Mechanical Characteristic of Self-Compacting Concrete Using PEG and SAP"***, International Journal of Advanced Research in Engineering and Technology

- (IJARET), ISSN Print: 0976-6480 and ISSN Online: 0976-6499, Volume 12, Issue 12, December 2021, pp: 1-10.
11. **"Dam break analysis using HEC-RAS and HEC-GeoRAS: A case study of Hidkal dam, Karnataka state, India"**, Journal of Environmental Challenges, ELSEVIER, Vol. 5, 2021, (<http://doi.org/10.1016/j.envc.2021.100401>), pp: 1-13.
 12. **"Drought vulnerability assessment and analysis for Vijayapura district, Karnataka state, India"**, accepted for publication in International Journal of Application or Innovation in Engineering & Management (IJAEM), Volume 10, Issue 11, November 2021.
 13. **"Mixture Proportioning and Strength Parameters of M20 Grade and M50 Grade of Self-Curing Concrete Incorporated With Prewetted Sintered Fly Ash Lightweight Aggregates"**, Vidyabharati International Interdisciplinary Research Journal (Special Issue), Special Issue on Emerging Techniques in Interdisciplinary Sciences (Oct. 2021) ISSN 2319-4979, Oct. 2021, p.p. 1675- 1689.
 14. **"Strength Properties of M20 and M50 Grades of PEG 400 Modified Self-Curing Concrete and Analysis Using ANSYS Software"**, International Journal of Civil Engineering and Technology (IJCIET), ISSN Print: 0976-6308 and ISSN Online: 0976-6316 DOI: <https://doi.org/10.34218/IJCIET.12.10.2021.001>, Volume 12, Issue 10, October 2021, pp. 1-22.
 15. **"A review on Carbon Footprint Assessment"**, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 p-ISSN: 2395-0072, Volume: 08 Issue: 09, September 2021, pp:648-651.
 16. **"Assessment and Development of Water Quality Index (W.Q.I.) for Panchaganga River, Maharashtra, India"**, GIS Science Journal (ISSN No: 1869-9391), Vol. 8, Issue 3, 2021, pp.28-45.
 17. **"Modelling of Soil Moisture Movement and Solute Transport in Parts of Malaprabha Command"**, Journal Geological Society of India, Vol. 97, March 2021, pp.293-296.
 18. **"Water Quality Assessment of River Tungabhadra, India"**, International Journal (Open Access Journal) Nature Environment and Pollution Technology (p-ISSN 0972-6268; e-ISSN 2395-3454), Volume 19, No.5, 2021, pp:1957-1963
 19. **"Vertical Constructed Wetlands Systems for Wastewater Treatment of Jayanti Nallah: An Effective Low-Cost Waste Water Treatment"**, IJRAR, September 2020, e-ISSN: 2348-1269, p-ISSN: 2349-5138, Volume: 07 Issue: 03, pp:73-80.
 20. **"Design of Water Supply Distribution Network Using Epanet Software for Palahalli Village, Mandya District, Karnataka"**, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 p-ISSN: 2395-0072, Volume: 07 Issue: 06, June 2020, pp:1904-1921.
 21. **"Study on Nano Material TiO_2 /P25 Degussa for the characteristics of Dairy Wastewater"**, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 p-ISSN: 2395-0072, Volume: 07 Issue: 08, August 2020, pp:44-49.
 22. **"Sustainable Approaches for Urban Water Management for Restoration of Rivers in India"**, Water and Energy International, CRIP-New Delhi, ISSN:0974-4711, Volume 63/RNI, No.3, June 2020, pp:61-66.
 23. **"A Review Paper on Characterization of Domestic Wastewater from Nallah"**, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 07 Issue: 05 | May 2020, pp:1239-1244

24. ***"A Review Paper on Study of Recirculation & Aeration in the Treatment of Wastewater Using Vertical Flow Constructed Wetland"***, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 07 Issue: 05 | May 2020,, pp:3121-3124.
25. ***"A Research Paper on Treatment of Domestic Wastewater using Vertical Flow Constructed Wetland (VFCW)"***, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 07 Issue: 05 | May 2020,, pp:3109-3117.
26. ***"A research paper on treatment of Nallah Wastewater using Vertical Flow Constructed Wetland (VFCW)"***, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 p-ISSN: 2395-0072, Volume: 07 Issue: 05 | May 2020,pp:44-48.
27. ***"Development of Water Quality Index of River, Its Trend and Deterioration of WQI: A Review Paper"***, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 07 Issue: 05 | May 2020, pp:3196-3201
28. ***"Future city-challenges and opportunities for water-sensitive sustainable cities, in India"***, Open access article, E3S Web of Conferences 170, 06017 (2020) EVF'2019, (<https://doi.org/10.1051/e3sconf/202017006017>).
29. ***"Assessment of Aquifer Vulnerability Using GALDIT Model- A Case Study"***, Journal Geological Society of India, Vol. 95, May 2020, pp.507-512.
30. ***"Water Quality Modelling Qual 2KW for River Tungabhadra (India)"***, International Journal of Recent Technology and Engineering (IJRTE), ISSN:2277-3878, Volume-9, Issue-1, May 2020,pp:461-464.
31. ***"Water Quality Model for Streams: A Review"***, Journal of Environmental Protection,2019,10,1612-1648, ISSN Online:2152-2219,ISSN Print:2152-2197 (DOI:10.4236/jep.2019.1012097 Dec.20,2019.pp:1612-1648.
32. ***"Evaluation on suitability of available Reaeration Equations for River Tungabhadra, Karnataka, India and Derivation of Refined Equation for the same"***, International Journal of Scientific and Technology Research Volume 8, Issue 09, September 2019, ISSN 2277-8616, pp:1683-1688.
33. ***"Water Quality Evaluation in Term of WQI River Tungabhadra, Karnataka, India"***, International Journal of Innovative and Exploring Engineering (IJITEE), ISSN:2278-3075, Volume-8 Issue-9S2, July 2019.pp:247-253.
34. ***"Assessment of Reaeration Equations for River Tungabhadra, Karnataka, India and Generation of the Refined Equation"***, Journal of Geography, Environment and Earth Science International, ISSN:2454-7352, 21(4):1-9, 2019.
35. ***"Utilization of Water Quality Modeling and Dissolved Oxygen Control in River Tungabhadra, Karnataka (India)"***, Open Access Library Journal, Volume 6, e5397, ISSN Online:2333-9721,ISSN Print:2333-9705, May 22, 2019.pp:1-17.
36. ***"Effect of Waste Water Flow on Ground Water Quality in Parts of Belagavi City"***, Journal of Water Pollution and Control, Vol. 1, No.2:7, 2018.
37. ***"Land use land cover change simulation for future scenario for Malaprabha sub-basin"***, International Journal of Research in Advent Technology, Vol.6, No.6, June 2018 E-ISSN: 2321-9637, pp 1271-127

38. **"Land Use Land Cover Change Detection on Kanchinegalur sub watershed using GIS and Remote Sensing Technique"**, International Journal for Research in Applied Science and Engineering Technology, Vol. 5, Issue XI, November 2017, pp:2128-2136.
39. **"Investigation on Groundwater Quality in parts of Ramdurg Taluk of Malaprabha River Command, Karnataka, India"**, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395 -0056/ p-ISSN: 2395-0072, Volume: 04 Issue: 08 | August-2017, **pp-1682-1684**.
40. **"Sustainable water management by conjunctive use of ground and surface water of the left bank canal of Ghataprabha Command"**, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395 -0056/ p-ISSN: 2395-0072, Volume: 04 Issue: 09 | September-2017, **pp-40-42**.
41. **"Development of Flow Duration Curves for Malaprabha and Ghataprabha sub basins of Krishna River"**, International Journal of Engineering Development and Research (IJEDR),| Volume 5, Issue 3 | ISSN: 2321-9939, **pp-763-767**.
42. **"Floodplain Mapping of River Krishnana Using Hec-Ras Model at Two Streaches Namely Kudachi and Ugar Villages of Belagavi District, Karnataka"**, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395 -0056/ p-ISSN: 2395-0072, Volume: 04 Issue: 08 | August-2017, **pp-1524-1529**.
43. **"Application of Swat Model for Generating Surface Runoff and Estimation of Water Availability for Balehonnuru Catchment Area for Badhra River Basin"**, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395 -0056/ p-ISSN: 2395-0072, Volume: 04 Issue: 08 | August-2017, **pp-1143-1148**.
44. **"Design of Sanitary Sewer Network for Zone 10,Belagavi city using SewerGEMS V8i Software"**, SSRG International Journal for Research Trends and Innovation (IJRTI), Volume 2, Issue 2, 2017, ISSN: 2456-3315, pp: 83-88.
45. **"Comparative analysis of Water Distribution Network system remodeled by EPANET and LOOP Program"**, SSRG International Journal of Civil Engineering-, Special Issue-April 2017, ISSN: 2348-8352, pp: 11-14.
46. **"Analysis of 24x7 Water Distribution Network of Gabbur zone in Hubballi city, Karnataka state, India using EPANET software"**, IRJET: International Research Journal of Engineering and Technology, e-ISSN: 2395 -0056; p-ISSN: 2395-0072, Volume: 04 Issue: 02, Feb - 2017,pp-478-485.
47. **"Groundwater Quality Assessment for Belur, Heggeri and Neeralkatti Area and Its Suitability for Industries and Irrigation Uses"**, International Journal of Emerging Technologies, ISSN No. (Print): 0975-8364, ISSN No. (online): 2249-3255, 7(2), 2016, pp::212-216,
48. **"Flood Plain Mapping And Dam Break Analysis For Neerasagar Reservoir"**, IJRET: International Journal of Research in Engineering and Technology, e-ISSN: 2395 -0056; p-ISSN: 2395-0072, Volume: 03 Issue: 06, Jun-2016,pp-1-7.
49. **"Estimation of Flood Magnitudes For Various Return Periods For Selected Stretch Of Dudhganga River"**, International Research Journal of Engineering and Technology (IRJET) , e-ISSN: 2395 -0056/ p-ISSN: 2395-0072, Volume: 03 Issue: 06 | June-2016, pp-1-4.
50. **"Demonstration of Estimating Flood Submergence Area For a Selected Stretch on Bennihalla River by Integrating HEC-RAS With SWAT"**, International Research Journal of Engineering and Technology (IRJET) , e-ISSN: 2395 -0056/ p-ISSN: 2395-0072, Volume: 03 Issue: 06 | June-2016, pp-1-7.

51. **"Application of SWAT Model in Generating Surface Runoff for Bennihalla River Basin"**, IJRET: International Journal of Research in Engineering and Technology, eISSN: 2319-1163 | pISSN: 2321-7308, Volume: 05 Issue: 06, Jun-2016, pp-236-241.
52. **"Design of Drainage Network For The Fort Area, Belagavi City using SWMM"**, IJRET: International Journal of Research in Engineering and Technology, eISSN: 2319-1163 | pISSN: 2321-7308, Volume: 05 Issue: 06, Jun-2016, pp-1-5.
53. **"Implications of Climate Change on Crop Water Requirements in Hukkeri Taluk of Belagavi District, Karnataka, India"**, IJRET: International Journal of Research in Engineering and Technology, eISSN: 2319-1163 | pISSN: 2321-7308, Volume: 05 Issue: 06, Jun-2016, pp-236-241.
54. **"Study on Water Requirement of Selected Crops under Tarikere Command Area using CROPWAT"**, OMICS International JI. of Irrigation Drainage System Engineering, ISSN 2168-9768, an open access journal, Volume 5, Issue 1, 2016 ,doi:10.4172/2168-9768.1000153.
55. **"Remodelling the WDNs by EPANET"**, International Journal of Combined Research & Development (IJCRD), eISSN:2321-225X;pISSN:2321-2241, Volume:4;Issue 11;November - 2015,pp:41304134Scientific and Engineering Research,, ISSN 2229-5518, Vol. 06, Issue 8, August 2015.
56. **"Deficit Irrigation Management Practice for Major Crops in Kunigal Command Area"**, International Journal of Scientific and Engineering Research,, ISSN 2229-5518, Vol. 06, Issue 8, August 2015.
57. **"Disaggregation of daily rainfall- A study with particular reference to Uttar Kannada District and Westren Ghats"**, International Research of Engineering and Technology (IRJET), e-ISSN 2395-0056, and p-ISSN:2395-0072, Vol. 02, Issue 5, August 2015, pp. 382-393.
58. **"A Study on Storm Water Drainage System of Annanagara and Ashoanagara of Shimoga City, Karnataka, India"**, International Journal of Innovations in Engineering and Technology (IJJET), ISSN 2319-1058, Vol. 05, Issue 3, June 2015, pp. 300-306.
59. **"Water Requirements of Selected Crops in Kunigal Command Area"**, i-manager's Journal on Civil Engineering, Vol. 05, No. 02, March- May 2015, pp. 24-30.
60. **"Hydrogeomorphic Analysis of Bedti Watershed in a GIS Environment"**, International Journal of Earth Sciences and Engineering, ISSN 0974-5904, Vol. 04, No. 04, August 2011, pp. 693-697.
61. **"Comparison of Water Requirement Estimated using FAO-56 Pm, Blaney Criddle Equation and UASD Guidelines for Hubli and Dharwad Talukas of Karnataka State, India"**, JI. of Applied Hydrology, Vol. XXIII, No.3 & 4, July-Sept., 2010, pp: 60-67.
62. **"Impact Assessment of Watershed Development Programme- A Case Study of Itagi Watershed"**, International Journal of Earth Sciences and Engineering, CAFET-INNOVA Technical Society, April 2010,Vol.-3 No.2, pp:224-232.
63. **"Comparative Study on Bennihalla and Bedthi Catchment Through the Analysis of Their Morphology, Land Form and Topographic Characteristics"**, ISH JI. of Hydraulic Engineering. Vol.16, No.1, March 2010, pp: 69-78.
64. **"Use of Inclined Compound Triangular Notch-Weir to Improve Discharge Range"**, ISH JI. of Hydraulic Engineering. Vol.15, No.3, November 2009, pp: 87-96.
65. **"Sediment Observation in River Basins - A Case Study"**, Journal of Soil and Water Sciences, The Icfai University Press, Hyderabad, November 2009, Vol. II No. 4, pp:74-78.
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2. ***"Drought vulnerability assessment and analysis in Bidar district"***, presented in International Conference on Recent Development on Sustainable Infrastructure (Research and Practice) "ICRDSI 2020", organized by School of Civil Engineering, KIIT Deemed to be University, Bhubaneswar, Odisha-751024 and published in proceedings of abstract under Sustainability in Water Resources Management, pp:6-8.
3. ***"Development of Blue-green infrastructure framework to restore Nallahs (dirty drains) to nadis (streams), in India"***, presented in First World Congress on Optimization and Automation Techniques in Engineering and Management (WCOATEM-20) organized by G H Raisonni University, Amravati (M.S.) from 19th to 21st October 2020.
4. ***"Vulnerability of Coastal Aquifers due to Over-Exploitation in Parts of North Goa, South-West Coast of India"***, presented in an international Conference (Online) on Water Resources organized by Department of Geology, School of Earth Sciences, Central University of Karnataka, Gulbarga, 16-17, October 2020.
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16. ***"Dam break analysis of Hidkal Dam using HECRAS"***, proceedings of International Conference on Hydraulics, Water Resources and Coastal Engineering "Hydro-2018" @ NIT, Patna, 19th and 21st December 2018, V-237.
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19. ***"Simulation of Soil Moisture Movement and Solution Transport Characteristics in Parts of Malaprabha Command"***, presented in All India Seminar Water Quality Management Strategies

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21. ***"Impact of Solid Wastes on Surface and Ground Water Quality of Belgaum"***, Presented in the 7th International Ground Water Conference held in New Delhi, 11th to 13th December 2017, Organised by NIH at New Delhi.
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23. ***"Simulation of Solute Movement in Agricultural Fields using Hydrus-1D Model"***, Presented in the International Conference on Ideation and Innovations in Sustainable Science and Technologies (IISST 17), 30th June to 2nd July 2017, organised by Green Eco Society, Kuala Lumpur, Malaysia.
24. ***"Mapping of Drought in Belagavi and Uttarakannada Districts of Karnataka"***, Presented in the National Conference on Water Conservation and Management in the Coastam Regions (WCMCR-2017, 12th to 14th October 2017, Organised by Dept. of Civil Engg., VCET, Puttur, Karnataka State.
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26. ***"Conjunctive Use of Surface and Ground Water in Left Bank Canal Command Area of Ghataprabha Reservoir"***, Presented in the National Conference on Water Conservation and Management in the Coastam Regions (WCMCR-2017, 12th to 14th October 2017, Organised by Dept. of Civil Engg., VCET, Puttur, Karnataka State.
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BOOK /BOOK CHAPTERS, EDITED/ PUBLISHED:

1. Chapter on ***"Drought Vulnerability Assessment and Analysis In Bidar District"*** is published in the book on ***"Recent Developments in Sustainable Infrastructure (ICRDSI-2020-GEO-TRA-ENV-WRM)"***, DOI: 10.1007/978-981-16-7509-6_19, published by Springer Nature Singapore Pte Ltd., 1st Online, 7th April 2022,Print ISBN 978-981-16-7508-9,Online ISBN 978-981-16-7509-6,pp:233-246.
2. Chapter on ***"Vulnerability of Coastal aquifers due to over exploitation in Parts of North Goa South west coast of India"*** is published in the book on ***"Water Resources Quality and Management"***, Chapter 15, published by Woser Books, February 2022, pp:148-152.
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5. Course modules on (i) ***Canal: Design, Construction, Operation and Maintenance*** and (ii) ***Hydraulic Structures: Design, Construction, Repair and Maintenance*** were prepared by me in the year 2013. The Course was sponsored by Engg. Staff College, KERS, Krishnaraja Sagar, Government of Karnataka.
6. ***"Reference Manual for Field Engineers on Building Construction"*** published by Government of Karnataka –Task Force for Quality Assurance in Public Constructions: Authored three chapters and also worked as reviewer for the book, 2013 (Available on KPWD website <http://kpwd.co.in/> Direct download link:<http://103.241.144.46:81/pdf/reports/Reference%20Manual.pdf>)
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ASSOCIATION WITH INTERNATIONAL AND NATIONAL JOURNALS:

1. Reviewer for an Springer International Journal "**Journal of Earth System Science**" Published by the Indian Academy of Sciences.
2. **Reviewer for an International Journal of Science, Technology, Engineering and Management- A VTU Publication ISSN: 2582-5844 (Online)**
3. **Member of the editorial board** for an **International Journal of Earth Sciences and Engineering** published by CAFET-INNOVA Technical Society, Hyderabad.
4. **Member of the editorial committee** for the Journal on Civil Engineering published by i-manager, Tamilnadu, India-629 001.
5. **Reviewer for an International Journal of Science and Technology** published by Scientia Iranica, Iran
6. **Reviewer for an International Journal of Earth Sciences and Engineering** published by CAFET-INNOVA Technical Society, Hyderabad.
7. **Reviewer for an International Journal of Energy and Power.**
8. **Reviewer for ISH Journal of Hydraulic Engineering** published by the Indian Society for Hydraulics.
9. **Reviewer for an International Journal "Palgo Journals".**
10. **Member of Civil Engineering Division for the Journal of The Institution of Engineers (India)** for the period December 2010 to December 2012.

GRANTS RECEIVED FROM FUNDING AGENCIES:

1. **R & D Project on "Analysis of Flow over Inclined Weirs of Simple Geometric Shapes"** sponsored by AICTE, New Delhi for the period 2003 to 2006. The grant received is 1.92 Lakhs.
2. The workshop on **"Concrete Mix Design"** for consulting engineers of Hubli-Dharwad was held on **28.8.2003**. The workshop was sponsored by Grasim Industries Ltd. (Cement Business-Marketing), Bangalore.
3. The workshop on **"Concrete Mix Design"** for consulting engineers of Hubli-Dharwad was held on **23.3.2002**. The workshop was sponsored by Grasim Industries Ltd. (Cement Business-Marketing), Bangalore.
4. The workshop on **"Masons Training and Certification Programme"** for the masons of Dharwad was held from 3rd to 8th of October 2007. The workshop was sponsored by Grasim Industries Ltd. (Cement Business-Marketing), Bangalore.
5. Conducted several **"Continuing Education Programmes"** Sponsored by Government of Karnataka, Engineering Staff College Krishnaraja Sagar between 1995 and 2013.

TESTING AND CONSULTANCY, TRAINING PROGRAMME:

- Member of the regular testing and consultancy works in Civil Engineering at SDMCET, Dharwad
- Designed Koulageri and Deverhubbali minor irrigation tanks of Govt. of Karnataka.
- Coordinated various training programmes under IRWS and ES project for Belagavi District during 1994 to 1999.

CONTINUING EDUCATION PROGRAMMES CONDUCTED:

(Sponsored by Engg. Staff College, KERS, Krishnaraja Sagar):

- **"Canal: Design, Construction, Operation and Maintenance"** from 16th to 20th Sept. 2013.
- **"Hydraulic Structures: Design, Construction, Repair and Maintenance"** from 21st to 25th Oct. 2013.
- **"Canal Design, Construction, Maintenance"** from 12.11.2007 to 16.11.2007.
- **"Introduction to Hydrology for Engineer's"** from 06.11.2006 to 10.11.2006.

- ***"Canal Lining"*** from 02.12.1996 to 06.12.1996.
- ***"Hydrology for Engineer's"*** from 17.06.1996 to 21.06.1996.
- ***"Canal Lining"*** from 29.05.1995 to 02.06.1995.

During the course many lectures were given by me on various topics.

SEMINARS AND WORKSHOPS CONDUCTED:

1. ***"Research Topics in Water and Land Management Aspects"***, One day webinar was conducted on 30th June 2020 organised by Department of Civil Engineering, CPGS, VTU, Belagavi
2. ***"Watershed Management"***, Faculty Development Program sponsored by TEQIP 1.3, 25th to 29th November 2019 Organized by Department of Civil Engineering at Visvesvaraya Technological University, Belagavi.
3. ***"Sustainable Design-Small is Beautiful-A study of Design as if People Mattered"***, An international workshop held from 9th to 16th September 2019 at VTU, Belagavi jointly with Bejalal Academy of Arts and Design, Jerusalem, Israel and Hebrew University, Jerusalem, Israel.
4. ***"Research Methodology"***, Faculty Development Program sponsored by TEQIP 1.3, 15th to 24th July 2019 at Visvesvaraya Technological University, Belagavi.
5. ***"48th ISTE National Annual Faculty Convention"*** on the theme Technical Education for Smart Cities, 19th and 20th March 2019 at Visvesvaraya Technological University, Belagavi jointly with ISTE, New Delhi.
6. ***"Soil and Water Conservation Practices"*** on 23rd May 2018 at Centre for PG studies, VTU, Belagavi.
7. ***"Research and Innovation: Essential for Survival"*** on Saturday, 21st April 2012 at The Institution of Engineers (India), Dharwad Local Centre, Dharwad.
8. ***"Integrated Development of Towns as Growth Centres"***- 27th National Convention of Civil Engineers of IEI, Chhattisgarh State Centre, Raipur: Member of National Advisory Committee held on 15th and 16th October 2011
9. ***"Faculty Development Program"*** on 26th, 27th and 28th August 2005, at SDM College of Engineering and Technology, Dharwad
10. ***"Concrete Mix Design" on 28.8.2003*** for consulting engineers of Hubli-Dharwad. The workshop was sponsored by Grasim Industries Ltd. (Cement Business-Marketing), Bangalore.
11. ***"Concrete Mix Design" on 23.3.2002*** for consulting engineers of Hubli-Dharwad. The workshop was sponsored by Grasim Industries Ltd. (Cement Business-Marketing), Bangalore.
12. ***"Masons Training and Certification Programme"*** for the masons of Dharwad from 3rd to 8th of October 2007. The workshop was sponsored by Grasim Industries Ltd. (Cement Business-Marketing), Bangalore.
13. ***"Water Supply and Sanitation Problems of Hubli- Dharwad Cities"***, 30-05-2001 organised by The Institution of Engineers (India), Dharwad Local Centre, Dharwad in association with Bhageerath, NGO, Dharwad.

QUALITY IMPROVEMENT PROGRAMME (WINTER SCHOOLS) ATTENDED:

1. ***"Irrigation Management"***, Regional Engineering College (Now called as National Institute of Technology), Warangal (A.P.), **31.12.2001 to 12.01.2002.**
2. ***"Sustainable Development through Integrated Water Resources Planning and Management"***, IIT, Kharagpur (W.B.), **28.12.1998 to 01.01.1999.**
3. ***"Computer Applications in Surface and Ground Water Hydrology"***, Sri. G. S. Institute of Technology and Science, Indore (M.P.), **8.1.1996 to 20.1.1996.**

SEMINARS, CONFERENCES, WORKSHOPS ATTENDED:

1. Attended online session of 35th Indian Engineering Congress conducted by The Institution of Engineers (India) held from 18th to 20th December 2020.

2. Attended online session on Dam and Network Safety Assurance conducted by ICID-CIID on 10th September 2020.
3. Attended online International Conference on Green Highway Construction- A Sustainable Approach organized by NITK, Surathkal jointly with IEI, Mangalore Centre on 14th and 15th September 2020.
4. Workshop **"AICTE Model curriculum"**, Organised by VTU, Belagavi held at BNMIT, Bangalore on 06th July 2018.
5. Workshop on **"Taxonomy and Course Outcomes"**, 23rd and 24th January 2017 at Regional Office, VTU Regional Centre, Bangalore.
6. Workshop on **"Geospatial Technology"** at VTU, Belagavi, from 16th to 18th February 2017.
7. AICTE workshop on **"Approved Process-2017"**, at BVB College of Engineering and Technology, Hubli on 13-02-2017.
8. Brain Storming Session **"Clean and Safe Drinking water"**, VTU, Belagavi, 12th July 2016.
9. National Seminar **"Library Consortia in Digital Age: Opportunities and Challenges"**, held at VTU, Belagavi on 1st and 2nd December 2015.
10. Seminar on **"Structure and Governance of Universities"** conducted by Forum of Former Vice-Chancellors of Karnataka State University in association with Mysore University on 20th July 2015.
11. **"Saksham-IT Champion Training Program"** held at VTU, Belagavi from 22nd to 27th June 2015.
12. **"Faculty Skillsets- Discovering the Teacher in You!"** held at VTU, Belagavi from 27th to 31st January 2015.
13. Workshop **"Apple ipad Training"**, held at VTU, Belagavi from 22nd to 24th July 2014.
14. Workshop **"Apple in Education-Training"**, held at VTU, Belagavi from 13th to 18th October 2014.
15. Workshop **"Apple ipad Orientation Programme"**, held at VTU, Belagavi from 23rd and 24th September 2014.
16. **"Geospatial Technology for Planning and Management"** workshop from 16th to 20th September 2014 at VTU, Belagum.
17. Workshop **"Apple in Education"**, held at VTU, Belagavi from 22nd to 24th July 2014.
18. FDP **"Quality Enhancement in Teaching and Research Methodology to Bridge the Gap between Academics and Industry"**, held at VTU, Belagavi from 27th to 31st May 2014.
19. **"Training of Evaluators on Outcome Based Education and Accreditation"** on Phase I, 5th March and Phase II, 21st to 23rd March 2014 sponsored by NBA, New Delhi held at Centre for PG studies, VTU, Gulbarga.
20. **"Role of Teachers: Challenges and Opportunities"** FDP organized by VTU, Belgaum on 23rd Feb 2014.
21. **"Harnessing Technology Skills for Employability"** International Conference organized jointly by VTU with ISQT, Bangalore on 21-22 February 2014.
22. **"Training the Trainer"** workshop on Intellectual Property Rights held at VTU, Belagum on 06th Jan 2014 jointly with VTPC, Karnataka.
23. Workshop **"Intellectual Property Rights-Training the trainer"**, held on 6th January 2014 at VTU, Belagum jointly with VTPC, Karnataka.
24. **"Redefining Library at Electronic Age"**, National conference, 20th and 21st December 2013 held at VTU, Belagavi.
25. Workshop **"Disaster Mitigation and Management"**, 13th Oct.2013, The Institution of Engineers (India) , Dharwad and also responsible for bringing out Souvenir of the workshop during the same.

26. National Seminar on ***“Geotechnical Engineering Problems-Case studies”*** and also acted as a Chair person for the afternoon session , 28th Sept. 2013.
27. Workshop ***“Effective Leadership for Excellence”***, 13th & 14th Sept. 2013, SDMCET, Dharwad.
28. Workshop on ***“Technology Enhanced Learning- An Approach for Leveraging Engineering Education”***, 17th June. 2013, SDMCET, Dharwad.
29. ***“Research and Innovation : Essential for Survivals”***, 21st April 2012, Institution of Engineers (India), Dharwad.
30. ***“Management of Technologies for Educational Practices”***, 29th& 30th July 2009, National College, Bangalore.
31. ***“Educational Excellence”***, 6-7 August 2007, SDM College of Engineering and Technology , Dharwad.
32. ***“Imperative of Rainwater Harvesting and Reuse in Urban and Rural Areas”***, 21th Oct 2005, RV College of Engineering, Bangalore.
33. ***“Repair and Rehabilitation of Masonry and Concrete Structures”***, 10th Oct 2004, INSTRUCT jointly with DR. FIXIT INSTITUTE at The Institution of Engineers (India, Dharwad.
34. ***“Review of Syllabus In Civil Engineering”*** workshop, 8th and 9th of March 2003, SIT, Tumkur.
35. ***“Remote Sensing and GIS Applications in Hydrology and Water Resources Engineering”***, 23rd-25th September 2002, National Institute of Hydrology (NIH), Belgaum..
36. ***“Geomedia Professional, GMS Terrain, MF Works”***, 31-01-2002 and 1-2-2002, SDM College of engineering and Technology , Dharwad
37. ***“Concrete Structures in Challenging Environments”***, 21-22 Dec 2001, National seminar, Indian Concrete Institute, Karnataka held at Hotel Naveen, Hubli.
38. ***“Water Supply and Sanitation Problems of Hubli- Dharwad Cities”***, 30-05-2001 organised by The Instituion of Engineers (India), Dharwad Local Centre, Dharwad in association with Bhageerath, NGO, Dharwad.
39. ***“Internet and E-mail”***, 4-3-2001 to 31-3-2001, KHK Institute of Engg., Dharwad.
40. ***“Role of Gates and Their Control in Water Resources Projects”***, 28 -30, June 2000, Belgaum organised by CBIP New Delhi.
41. ***“Valuation”***, Chamber of Commerce, Hubli, 26.03.2000, organized jointly by The Institution of Engineers (India), Dharwad and Institution of Valuers, Karnataka Sub Zone, Hubli.
42. ***“Concrete Technology”***, 31st Oct.1998 held at B.V.B. College of Engg., Hubli , organised by B.V.B. Engg. College, Hubli, , jointly with The Institution of Engineers (India), Dharwad.
43. ***“Hydrological Problems of Hard Rock Region”***, 15th March 1997, The Institution of Engineer’s (India), Belgaum organized by National Institute of Hydrology, Belgaum.
44. ***“Hydrological Modeling of Mountainous Watersheds”***, 05-09 Aug. 1996, National Institute of Hydrology, Belgaum.
45. ***“Ground Water Balance”***, 18th-22nd March 1996, National Institute of Hydrology (NIH), Belgaum.

EXPERT LECTURES AT OTHER INSTITUTIONS:

1. Delivered an invited talk as a resource person on ***“Land use and Flood Vulnerability Areas”***, during 5 days Online Training on ***“Technology Enabled Recurrence Flood Disaster Mitigation in Flood Plain of North Karnataka (TRFDM-NK)”*** organized by the Department of Civil Engineering, Presidency University, Bangalore on 26th October 2021.
2. Delivered a lecture on ***“Current Challenges and Solutions in Field Level Irrigation Management”***, during the training Program on ***“Field level irrigation water managem,ent challenges and solution under the irrigation Command”*** organized by Water and Land

Management Institute for the field level engineers of Water Resources Department, Government of Karnataka, Dharwad on 03rd February 2021.

3. Delivered a lecture on ***“Current Challenges and Solutions in Field Level Irrigation Management”***, during the training Program on ***“Field level irrigation water management challenges and solution under the irrigation Command”*** organized by Water and Land Management Institute for the field level engineers of Water Resources Department, Government of Karnataka, Dharwad on 06th January 2021.
4. Delivered invited talk as Chief Guest for World Habitat Day 2020 on theme ***“Housing for All: A better Urban Future”*** organized by The Institution of Engineers (India), Dharwad Local Centre, Dharwad on 5th October 2020.
5. Delivered a lecture on ***“Irrigation Water Management: Technical Challenges and their Solutions”***, during the training Program on ***“Irrigation Water Management in drought situation”*** organized by Water and Land Management Institute, Water Resources Department, Government of Karnataka, Dharwad on 30th December 2019.
6. Delivered a lecture on ***“Improving Performance of Irrigation Projects”***, An invited talk to the students of Final Year Civil Engineering Discipline at SDM College of Engineering and Technology, Dharwad on 16th November 2019.
7. Delivered a lecture on ***“Irrigation Water Management: Technical Challenges and their Solutions”*** during the training Program on ***“Irrigation Water Management in drought situation”*** organized by Water and Land Management Institute, Water Resources Department, Government of Karnataka, Dharwad on 1st May 2019.
8. Delivered a lecture on ***“Irrigation Water Management: Technical Challenges and their Solutions”*** during the training Program on ***“Irrigation Water Management in drought situation”*** organized by Water and Land Management Institute, Water Resources Department, Government of Karnataka, Dharwad on 31st August 2019.
9. Delivered talk the theme of ***World Water Day 2019 “Leaving no one behind”*** as a *chief guest* of the function held at SGBIT on 26th March 2019.
10. Gave invited talk on ***“Guidelines for Benchmarking of Irrigation Systems in India”*** during the workshop on ***“Benchmarking of Irrigation Projects”*** on 24th January 2019 at WALMI, Dharwad.
11. Resource person for workshop on ***“Bench Marking of Irrigation Projects”*** organised by WALMI , Dharwad on 26th and 27th July 2018.
12. Delivered an invited lecture ***“Hydraulic canals, Design of Lined canals, Canal drops and energy dissipaters, Canal maintenance and Safety”*** during CEP course ***“Canal: Design, Construction, Operation and Maintenance”***, 3rd October 2016.
13. ***“GIS Applications to Watershed Management”*** during CEP on ***‘Advance Surveying and GIS’*** at SDMCET, Dharwad on 4th August 2016.
14. Invited talk on ***“Standard Irrigation Canal Section and Design of Lined Canals and Canal Design and Energy Dissipators”***, CEP course on ***“Design of Irrigation Projects”*** on 14th December 2015 at SDM College of Engineering and Technology.
15. Invited to inaugurate Civil Engineering forum ***“CIVATION”*** and its activities for the academic year 2015 - 16, 05th August 2015 and also delivered a technical talk on ***“ Research Opportunities In Watershed Analysis, Development and Management”*** to the students of Alva's Institute of Engineering and Technology, Moodabidri.

16. ***"GIS Applications to Watershed Management"*** to the participants of CEP on ***'Advance Surveying and GIS'*** at SDMCET, Dharwad on 22nd July 2015.
17. Delivered an invited lecture on ***"Sustainable Water Resources Development and Management through Integrated Approach"*** during the one day seminar on ***"Namma Jala Namma Jeevana"*** organized by Govt. of Karnataka on 24th Jan 2015.
18. Key note speaker on the theme ***"Making Indian Engineers World Class"*** on the occasion of Engineers Day celebrated at the Institution of Engineers (India), Belgaum Local Centre, Belgaum on 15th September 2014.
19. Guest lecture on ***"Watershed Management"*** at Jain College of Engineering, Belgaum on 15th April 2013.
20. ***"Spillways and Energy Dissipation below the Spillways"*** to the participants of CEP at UBDTCE, Davangere on 26th March 2013.
21. ***"Best Management Practices of Forest Roads"*** for Engineers of PWD under CEP course held at SDMCET, Dharwad on 04-02-2013.
22. Panelist for the panel session on ***"Challenges in Engineering Research"*** during workshop on Introduction to Research Methodologies held at SDMCET, Dharwad on 2nd July 2012
23. ***"Applications of GIS in Watershed Analysis"*** for Engineers of PWD under CEP course held at SDMCET, Dharwad on 26-08-2012.
24. ***"Design of Spillway and Energy Dissipators, and Canal Drops"*** for Engineers of PWD under CEP course held at University BDT College of Engineering, Davangere on 14-09-2011.
25. ***"Types of Spillways and Associated Energy Dissipation Devices"*** for Engineers of PWD under CEP course held at University BDT College of Engineering, Davangere on 26-08-2010.
26. ***"Rain Water Harvesting"***, for Engineers of PWD under CEP course held at University BDT College of Engineering, Davangere on 06-08-2010.
27. ***"Spillways and Canal Drops and Energy Dissipation Below the structures"*** for Engineers of PWD under CEP course held at University BDT College of Engineering, Davangere on 07-01-2010.
28. ***"Watershed Management"***, ISTE course on ***"Environmental Management"*** during short term course organized by Womens Polytechnic, Vidyanagar, Hubli on 13-10-2009.
29. ***"Canal Drops and its Energy Dissipation" and "Spillways and Energy Dissipation below Spillways"*** for Engineers of PWD under CEP course held at University BDT College of Engineering, Davangere on 20-08-2009.
30. ***"Spillways and Energy Dissipation Below Spillways"*** for Engineers of PWD under CEP course held at University BDT College of Engineering, Davangere on 08-01-2009.
31. Invited lecture on ***"Remote Sensing and GIS Applications to Hydrology and Water Resources Engineering"***, 2nd December 2008 at Institution of Engineers (India), Dharwad Local Centre.
32. Invited talk ***"Remote Sensing and GIS applications to Watersheds"*** on 25-07-2008 during the workshop ***"GIS and Remote Sensing Applications for Watershed"*** conducted by Civil Engg. Dept. of SDMCET, Dharwad from 21st July to 9th Aug 2008.
33. Invited lecture on Water Resources Day theme ***"Integrated Water Resources Development and Management"*** was delivered on 23-05-2008 at IEI, Dharwad. It is considered as an honor to get invitation to talk on the eve of Water Resources Day celebration.
34. ***"Types of Canal Lining and Selection to Suite the Prevailing Condition"*** for Engineers of PWD under CEP course held at University BDT College of Engineering, Davangere on 02-01-2008.
35. ***"Canal Drop and Energy Dissipators"*** for Engineers of PWD under CEP course held at Basaveshwar Engg. College, Bagalkot on 05-07-2006.
36. ***"Design and Construction of Water Storage Structures"*** for Engineers of PWD under CEP course held at Basaveshwar Engg. College, Bagalkot on 19-08-2006.

37. ***"Interpretation and Analysis of Rainfall Data"*** for Engineers of PWD under CEP course held at Basaveshwar Engg. College, Bagalkot on 14-02-2006.
38. **Key Note Address** during inauguration of CEP course on ***"Hydrology for Engineers"*** on 4-7-2005 at BEC, Bagalkot. Also delivered lecture on Introduction to ***"Hydrology, and Analysis and Frequency of Rainfall"***.
39. ***"Watershed Development and Management: Case Studies"*** on 01-09-2004, STTP on ***"Rain Water Harvesting and Watershed Management"*** conducted by KHK institute of Engineering, Dharwad.
40. ***"Major Impacts of Irrigation and Drainage Projects"***, winter school on ***"Environmental Pollution and Impact Assessment of Projects"*** held at KHK Institute of Engineering, Dharwad on 12-11-2002.
41. ***"Management of Irrigation Water: Strategies to Meet the Challenges"*** during AICTE- ISTE winter school (STTP) on ***"Irrigation Management"*** on 09-01-2002 held at Regional Engineering College (Now called as National Institute of Technology), Warangal (A.P.).
42. ***"Canal Lining Types and Its Economics"*** during ISTE-AICTE winter school on ***"Recent Trends in Irrigation Practices and Water Management"*** on 19-06-2001 held at KHK Institute of Engineering , Dharwad.
43. ***"Meeting the Challenges of Management of Irrigation Water in the 21st Century"*** during ISTE-AICTE winter school on ***"Recent Trends in Irrigation Practices and Water Management"*** on 12-06-2001 held at KHK Institute of Engineering , Dharwad.
44. ***"Water Logging"*** for Engrs. of PWD under CEP course held at Basaveshwar Engg. College, Bagalkot on 27-04-2000.
45. ***"Performance Appraisal and Development Systems for Total Quality Engineering Education"*** during ISTE-AICTE winter school on ***"Accreditation and Performance Appraisal in Technical Institutions in New Millennium"*** on 12-04-2000 held at KHK Institute of Engineering, Dharwad.
46. ***"Role of Engineers in the Society"*** for the corporate members of Institution of Engineers (India), Dharwad in Oct. 1999.
47. ***"Water Logging and Reclamation of Saline Lands"*** for Engrs. of PWD under CEP course held at Basaveshwar Engg. College, Bagalkot on 03.01.1998.
48. ***"Statistical Analysis of Rainfall and Forecasting of Future Rainfall"*** for Engrs. of PWD under CEP course held at Basaveshwar Engg. College, Bagalkot on 03.02.1997.
49. ***"Need / Importance of Water Supply and Environmental Sanitation in Rural Area"*** during the function organised by Rural Development Society, Murgod. Tq: Saundatti, Dist: Belgaum. This lecture was addressed to Engineers of Belgaum ZP division, Gram Panchayat President and Secretaries of Project Villages under IRWS and ES Project for Belgaum district. April 1996.
50. ***"Engineering Design of NWMP Works"*** for the Engineer's of NWMP scheme held at Water and Land Management Institute (WALMI), Dharwad on 6.3.1995 and 9.3.1995.

ASSOCIATION WITH OTHER ORGANIZATIONS/INSTITUTIONS:

1. Member of Technical Committee for an International Conference on Water Management and Climate Change, being organized by WALMI, Dharwad during 23rd to 25th January 2023.
2. Member of recruitment board as a university nominee for the post of Professor and associate professor at KLS Gogte Institute of Technology, Belagavi on 8th October 2021.
3. Chairman for the technical session on the theme: **Interstate Co-operation and Co-ordination in respect of Sharing Water and Land** during the National Seminar on Water Management Through Inter-basin Water Transfer organized by IEI, Local Centre, Belagavi on September 14th and 15th, 2019

4. Member of the Technical Advisory Committee for Two Days National Seminar on Water Management Through Inter-basin Water Transfer organized by IEL, Local Centre, Belagavi on September 14th and 15th, 2019
5. **Jury member** for the **FOSS project competition** held on 9th May 2019 at VTU, Belagavi.
6. **Advisory Committee Member** for One day Workshop on **"Intellectual Property Rights"** organized by S.G. Balekundri Institute of Technology, Belagavi on 24th May 2019.
7. **Chief guest** for the Farewell function of **E & C Dept. , Jain College of Engineering, Belagavi.** On 22nd May 2019.
8. **Chief guest** for the **Farewell function** of Government Engineering College, Haveri on 18th May 2019.
9. **Chief Guest** for the inaugural function of the training Program on **"Irrigation Water Management in drought situation"** organized by Water and Lanagement Institute, Water Resources Department, Government of Karnataka, Dharwad on 14th May 2019.
10. **Chief guest** for the **Achievers Day 2019** at KLEMSSCET, Belagavi on 11th May 2019.
11. **Chief guest** for the Techno-Cultural Fest inaugural function **"MELANZE-2019"** on 2^{6th} April 2019 at Agadi College of Engineering and Technology, Lakshmeshwar
12. **Programm chairman** for the **"Faculty Orientation Programme"** organized by VTU PG centre from 1th Feb to 11th March 2019.
13. **Chief guest** for the valedictory ceremony of Two days National Seminar on **"Role of Enterprise Portfolio Project Management in Civil Engineering"** on 22nd Feb 2019.
14. As a **Observer** Conducted **CMAT/GPAT Examination** of National Testing Agency at ION India, Belagavi on 28-01-2019.
15. **Chief guest** for 2019 **LEAD prayana Kick off ceremony** on 20th January 2019 conducted by Deshpande Foundation, Hubli at VTU campus.
16. **Guest of Honour** for the inauguration of **"International Conf. on Tropical Transcends in Science, Technology and Management"** on 17th August 2018 at Sai Vidya Institute of Tech., Bangalore
17. Advisory Board member for FDP on **"Web Tech. and Applications"** held at SKSVMACET, Lakshmeshwar conducted from 12th to 14th July 2018.
18. Resource person for workshop on **"Bench Marking of Irrigation Projects"** orgained by WALMI , Dharwad on 26th and 27th July 2018.
19. **Member of advisory committee** for one week FDP on **"Environmental Management & Sustainable Development"** organized by KLEIT, Hubballi from 24th to 28th July 2018.
20. **Convener for the TEQIP-1.3 Sponsored Faculty Enrichment Program** on Mechanics of Materials, 23rd to 27th July 2018, Organised by the Department of PDM, CPGS, VTU, Belagavi.
21. **Advisory Board member** for FDP on **Web Tech. and Applications** held at SKSVMACET, Lakshmeshwar conducted from 12th to 14th July 2018.
22. **Chairman** for **Project exhibition cum competition** held on 28th June 2018 at VTU, Belagavi.
23. **Chief Guest** for SAMBHRAMA 2018 at KLE CET, Chikodi on 20th April 2018.
24. **Chief guest** for the valedictory ceremony of **National Seminar** at VDRIT, Halyal on 24th Feb. 2018

25. Gave Keynote Address as **Chief guest** for inauguration of FDP on **"Advances in Building Materials and Construction Practices"** on 29th Jan 2018 at KLEIT, Hubli and also.
26. Appointed as Mentor for Atal incubation centre at SDM CET, Dharwad, letter dated 27th Sept. 2017.
27. Appointed as **"Member Nominee of VTU to the BoS"** of Dayananda Sagar College of Engineering, Bangalore for the period 02-05-2016 to 10-09-2017.
28. Invited talk on **"About Few National Parks in USA"** at The Institution of Engineers (India), Dharwad on 5th Sept. 2017
29. Chaired the technical session during International Conf. on Hydraulics and Environmental Systems" on 24th March 2017 at KLE Dr.MSSCET, Belagavi
30. **Judge** for the State Level Science Exhibition cum Competition on **"Science and Technological Solutions for Specially Abled Persons"** organized by VTU, Belagavi on 10th March 2017.
31. **Judge** for the National Level Students Technical Symposium **"Illuminati 2017"** at SKSVMA CET, Laxmeshwar on 9th March 2017.
32. Member of Local Advisory Committee for an International Conf. on Hydraulics and Env. Systems Organized by KLECET, Belagavi, March 2017.
33. **Member of the National Conf. on Advances in Civil Engg.** Organized by GSIT, Karwar, Feb 2017.
34. Attended a confidential work at **Karnataka Examination Authority**, Bangalore on 11th August 2016
35. **Member of technical advisory committee** for the National Seminar on **Recent Advances in Civil Engineering** held on 30th April 2016 at Rajarajeswari College of Engg. , Bangalore
36. Judge for the papers presentation, National Level Technical Fiesta **"PRAXIS 2K16"** conducted by KLE CET, Chikodi on 27th April 2016.
37. Chaired the session of the National Conference on **"Make in India- An Opportunity for Emerging Engineering Technologies"** on 6th February 2016 at SGBIT, Belagavi.
38. Chairman for a Mega State Level Education Hackfest Oct-2015 at VTU campus, Belagavi during 16th & 17th October 2015.
39. Invited to inaugurate Civil Engineering forum **"CIVIATION"** and its activities for the academic year 2015 – 16 and also delivered a technical talk on **"Research Opportunities In Watershed Analysis, Development and Management"** , Alva's Institute of Engineering and Technology, Moodabidri on 05th August 2015..
40. Delivered an invited talk on **"GIS Applications to Watershed Management"**, during CEP on **'Advance Surveying and GIS'** at SDM CET, Dharwad on 22nd July 2015.
41. Gave inspirational talk as a **chief guest** for the annual day function **"UMANG"**, Shaikh College of Engg. & Tech., Belagavi on 21st May 2015.
42. **Chaired the technical session** during the National Seminar **"Mining Environment and Water Resources Development-2015"**, 22nd & 23rd March., 2015 Organized by Mining Engineers' Association of India, Belgaum.
43. Coordinated the Event **"Startups Adda"** organized by Deshapande Founadation at VTU Sandbox incubation Centre, VTU Campus, Belagavi on 5th January 2015.
44. **Member of the organising committee** for the Conf. on "Waste Management and Pollution Control" conducted by KLE CET, Belgaum jointly with IEI, Belgaum on 7th & 8th March 2014.
45. **Member of the committee involved in Signing of MOA between Registrar, Rani Chennamma University, Belagavi and STUP Consultancy Services, Bangalore** held at Rani Chennamma University, Belagavion 12th September 2013.

46. **Worked as Officer –in-charge of AMIE Section-A Summer -2013 examinations** held from 1st June to 4th June 2013 at IEI, Dharwad
47. Member of Advisory Committee for all India Seminar on “Repair and Rehabilitation of Concrete Structures”, organized by The Institution of Engineers (India), Nagpur on 5th and 6th October 2012
48. **Chief Guest** for Valedictory Function of CEP course on “**Design of Hydraulic Structures**” at UBDTCE, Davangere on 26th July 2012.
49. **Chief Guest** for the inauguration of “**Association of Civil Engineering Students**” at VDRIT, Haliyal on 27th March 2012
50. **Council member** of The Institution of Engineers (India), Kolkatta for the year 2010-2011 and 2011-2012.
51. **Member of Regional Co-ordination Committee** of The Institution of Engineers (India), Kolkatta for the year 2010-2011 and 2011-2012.
52. **Member of Board of Civil Engineering Division**, The Institution of Engineers (India), Kolkata for the year 2010-2011 and 2011-2012.
53. **Chairman**, The Institution of Engineers (India), Dharwad Local Center, Dharwad for the biennial period from Oct. 2010 to Oct. 2012.
54. **Executive Committee Member of Karnataka State Centre, IE(I),Bangalore** for the biennial period 2010-2012.
55. **Executive Committee Member, Indian Geotechnical Society, Hubli Chapter** for the biennial period 2011-2013.
56. **Guest of Honour** for the Balekundry Memorial Lecture- “**Rehabilitation of Breached Tanks**” held at IEI, Belagavi Local Centre, Belagavi on 9th January 2012.
57. **Expert for the recruitment committee** to select Draftman, Lingayat Educational Association, Dharwad on 17th July 2011
58. **Chief Guest for Felicitation to Renowned Members of the society**, Karnataka Rajya Banajiga Samajada Kshemabhivrudhi Sangh ®, Bangalore, Dharwad District Centre on 24th April 2011 at Dharwad
59. **VTU LIC member** for granting affiliation of institution for the academic year 2011-2012, January 2011.
60. **Chief Guest** for inauguration of Seminar Hall of Aminbhavi and Hegde, Consulting Engineers Private Limited, Dharwad on 26th February 2011
61. **Chief Guest** for Closing Ceremony of 7th Leo NTTF Cup Tournament, NTTF, Dharwad on 20th February 2011.
62. **Executive Committee Member, Indian Geotechnical Society, Hubli-Dharwad Chapter** since its inception in 2010.
63. **Delivered 15th Balekundry Memorial Lecture** on the theme of **Water Day on Integrated Water Resources Development and Management** at The Institution of Engineers (India), Dharwad , May 2008.
64. **Jury Member, CIVIL STORM-2010** – Technical Quiz Competition for Civil Engineers conducted by “ACC Cements” at BVB College of Engineering campus, Hubli on 24th May 2010.
65. **Jury Member** of the committee for identifying **Outstanding Concrete Structure Award for North Karnataka**. The committee was constituted by Indian Concrete Institute, Hubli-Dharwad Centre. The function was held on 16th Feb. 2008.
66. **Jury Member for ICI(KHDC)-Ultra Tech Cement Award** for Outstanding Concrete Structure of North Karnataka 2007.
67. **Judge** for Engineering Project Compition Organised by LEA’s ITI, Dharwad on 30th April 2006.

68. **Worked as Officer –in-charge of AMIE Section-A Winter -2005 examinations** during 3rd December to 5th December 2005 held at IEI, Dharwad
69. **Executive Committee Member, Indian Concrete Institute, Hubli-Dharwad Centre** since its inception in 2005.
70. **Worked as Officer –in-charge of AMIE Section-A Winter -2004 examinations** during 4th December to 6th December 2004 held at IEI, Dharwad.
71. **Worked as Hon. Secretary to “The Institution of Engineers (INDIA), Dharwad Local Center, Dharwad”** for the biennial period 2000-2002 and served the IE(I), DLC as a member of the executive committee since 1998 till October 2014.
72. Instrumental in starting AMIE Section-A Examination at The Institution of Engineers (India), Dharwad Local Centre, Dharwad and conducted several activity which are helpful to Industry / Engineering fraternity and also to public in urban and rural areas around Dharwad. During my tenure as Secretary of The Institution of Engineers (India), Dharwad, phenomenal increase in membership growth of IEI, Dharwad local centre has been achieved.
73. Workshop “ **Water Supply and Sanitation Problems of Hubli- Dharwad Cities**” was held on 30-5-2001 with an aim to find the solution to the existing water crisis and recommendations of the jury was forwarded to Govt. of Karnataka.
74. **Appointed as Apex Committee Member by Govt. of Karnataka** for the formulation of syllabus for the women’s polytechnic, Hubli (A purely autonomous Institution) in 2001
75. **Worked as Advisor for Indian Institution of Bridge Engineers, Hubli-Dharwad Centre**, South Central Railway Office, Hubli-20 from 2000-2002
76. **Worked as Secretary of the Civil Engineering Association, SDM College of Engg. & Tech., Dharwad for the period 1998-2002.** It is established with an aim to disseminate professional and technical knowledge through organising Seminar/Workshop/lectures by prominent engineers. Over the years it has helped students to gain knowledge of design and practice
77. **Worked as a member of Industry -Institution Interaction Committee of SDMCET, Dharwad**
78. **Worked as member of consultancy cell of Civil Engineering Department, SDM College of Engg. & Tech., Dharwad.**
79. **Worked as Officer –in-charge of AMIE Section-A Winter -2000 examinations** during 2nd to 4th December 2000 held at IEI, Dharwad.
80. **Worked as Officer –in-charge of AMIE Section-A Summer -2000 examinations** during 3rd to 5th June 2000 held at IEI, Dharwad.
81. **Attended the 11th Regional Coordination Committee meeting** on 19th January 2000 held at National Institute of Hydrology, Hard Rock Regional Centre, Belagavi
82. Successfully completed **Orientation of Primary School Teachers and Care Takers Training Programs** in all the **28 project villages of Phase I and 31 project villages of Phase II** of Belgaum District, Karnataka State, under **Integrated Rural Water Supply and Environmental Sanitation Project (World Bank Assisted)** during the period 1994 to 1999.
83. Coordinated various training programmes conducted under “**Jal Nirmal Yojane**” in SDMCET, Dharwad by the Deputy Director, Jal Nirmal Project, Dharwad.