

CURRICULUM VITAE

Dr.Nanjundi Prabhu

s/o Prabhu.H

Vidyanagara

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OBJECTIVE:

To develop a technical expertise in Civil Engineering field, use this expertise along with managerial skills to excel in my performance and produce works of good caliber.

EDUCATIONAL QUALIFICATION:

EXAMINATION	BOARD/UNIVERSITY	INSTITUTION	YEAR OF PASSING
Bachelor of Engineering (CIVIL ENGINEERING)	Visvesvaraya Technological University, Belgaum.	JNNCE , Shimoga Karnataka, India.	2010
Master of Engineering (WATER RESOURCES ENGINEERING)	Bangalore University.	University Visvesvaraya College of Engineering (UVCE) Bangalore. Karnataka , India.	2012
Ph.D (WATER RESOURCES ENGINEERING)	Bangalore University.	University Visvesvaraya College of Engineering (UVCE), Bangalore. Karnataka, India.	2021

Indo German Centre for Sustainability (IGCS) Program:

Program Name	Venue	Title of the Program	Time
IGCS Summer School 2017	RWTH Aachen University, Germany	"Sustainable Urban Water and Wastewater Management in India and Germany"	July 14 th to July 27 th 2017
IGCS Winter School 2015.	Indian Institute Of Technology Madras (IITM) Chennai -600036 India	"Sustainable Water Management in Urban Areas"	2 - 15th March, 2015

CAREER PROFILE

- Name of Organization : **Ashoka Trust for Research in Ecology and the Environment (ATREE) is a Global Non-Profit Organization.**
ATREE was ranked #14 among Water Security Think Tanks and #20 among Environment Policy Think Tanks in the world.

- Designation : **Researcher & Training/ Program Coordinator**
Duration : 1st October 2021 to till date

- Name of Organization : **ASSOSA UNIVERSITY, ETHIOPIA, AFRICA.**
Under United Nations Development Program (UNDP)
Designation : **Assistant professor**
Duration : Dec 2019 to June 2021

- Name of Organization : **Nitte Meenakshi Institute Of Technolog (NIRF 100)**
YELAHANKA, Bangalore-560064.
Duration : Aug 2012 to July 2016, Jan 2017 to Dec 2019
Designation : **Assistant professor**

- Name of Organization : **PESITM, Shimoga**
Duration : Aug 2016 to Dec 2016
Designation : **Assistant professor**

Awards and fellowships

- ❖ Selected for DAAD Fellowship by the **German Academic Exchange Service (DAAD)** to attend IGCS Summer School on "**Sustainable Urban Water and Wastewater Management at Germany**" from 15.28.07.2017 at **RWTH Aachen University Germany**.
- ❖ **Best Practice Researcher Award** from International Conference and Exhibition on **Best Practices in Sustainability Water, Waste Water and Energy Management** held at 17th-19th August 2016, J N Tata Auditorium, **IISc**, Bengaluru, India.

Book / Book Chapters Published:

- ❖ Published a **Textbook on "Ground Water Hydrology"** LAP LAMBERT Academic Publication, **ISBN:978-620-3-86316-1**, **EAN:9786203863161**, Published on: 25/05/2021, Germany, Europe.
- ❖ Published a **Textbook on "Drainage Engineering"** LAP LAMBERT Academic Publication, **ISBN:978-620-3-86383-3**, **EAN:9786203863833**, Published on: 24/05/2021, Germany, Europe.
- ❖ Published a **Book Chapter** on "**Assessment and Analysis of Water Quality Parameters of Groundwater Near Ranebennur Industrial Area, Haveri District, Karnataka, India**" **Book Publisher International, Challenging Issues on Environment and Earth Science Vol.1, eBook ISBN: 978-93-90516-34-6, DOI:10.9734/bpi/ciees/v1/7252D**.

Patent Published:

- ❖ Title of Invention: "**IOT AND CLOUD BASED AGRICULTURAL MONITORING SYSTEM**", Application Number:**202141026215 A**, Journal Number:27/2021, Journal Date:02/07/2021, office of the Controller General of Patents, Designs and Trademarks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.
- ❖ Title of Invention "**BIOGAS PRODUCTION USING KITCHEN WASTES WITH RICE STRAWS AND MONITORING USING AI**" Application Number:**202141031205 A**, Journal Number:37/2021, Journal Date:10/09/2021, office of the Controller General of Patents, Designs and Trademarks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.

Papers published:

- ❖ Published a **Scopus journal** on “**Assessment of Ground Water Quality in Bangalore North, Karnataka State, India**” **Journal of Indian Water Works Association (IWWA)**, ISSN 0970-275X, Vol. LIII, No. 2 , April-June 2021.
- ❖ Published a **Scopus journal** on “**Ground Water Potential Mapping for Suryanagara Watershed Bangalore District, Karnataka**” **Journal of Indian Water Works Association (IWWA)**, ISSN 0970-275X, Vol.LIII, January-March 2021.
- ❖ Published a **Scopus journal** on “**Runoff Estimation for Arkavathi Valley, Hebbala Valley, KC Valley, South Pennar Valley, Vrishabhavathi Valley by using Soil Conservation Services Curve Number Method (SCS-CN)**” **Water & Energy International Journal** published by Central Board of Irrigation & Power, ISSN: 0974-4711, VOLUME 63/RNI, NO. 2, May 2020.
- ❖ Published a **Scopus journal** on “**Geochemical Modelling Of Kushawathi Watershed Area Chikkaballapur District, Karnataka**” **International Journal Of Scientific & Technology Research** Volume 8, Issue 12, December 2019 ISSN 2277-8616
- ❖ Published a **Scopus journal** on “**A Groundwater Modeling on Hard Rock Terrain by using Visual Modflow Software for Bangalore North, Karnataka, India**”. **International Journal of Innovative Technology and Exploring Engineering (IJITEE)**, Published By: Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2278-3075, Volume-8 Issue-12, October 2019. DOI: 10.35940/ijitee.L3089.1081219.
- ❖ Published a **Scopus journal** on “**Groundwater Quality Analysis of Hard Rock Terrain in Bengaluru North Taluk, Karnataka, India**”. **International Journal of Innovative Technology and Exploring Engineering (IJITEE)**, Published By: Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2278-3075, Volume-8 Issue-12, October 2019. DOI: 10.35940/ijitee.L3088.1081219.
- ❖ Published a **scopus journal** on “**Morphometric analysis for Bangalore North Watersheds, Karnataka state, India**”. **Water & Energy International - The Monthly Technical Journal of Central Board of Irrigation & Power**, volume 62/RNI, NO.7, ISSN: 0974-4711, October 2019
- ❖ Published a **scopus journal** on “**Analysis of Water Quality Parameters of Groundwater near Ranebennur industrial area, Haveri District, Karnataka, India**” **2nd International Conference on Emerging Research in Civil, Aeronautical and Mechanical Engineering**

ERCAM-2019, July 25-26, 2019 published in **American Institute of Physics (AIP)** Conference Proceedings.

- ❖ Published a **Scopus journal** on “**Runoff Estimation by SCS Curve number method for Bangalore North Taluk, Karnataka, India**”. Journal of Advance Research in Dynamical systems, vol.11, No.1, 2019. ISSN 1943-023X. 24th Dec 2018.
- ❖ Published a **Web of Science journal** on “**Design of Automatic Biomedical Waste Segregator and A Monitoring System**”. Vidyabharati International Interdisciplinary Research Journal, Special Issue on Engineering Technologies and Management, ISSN 2319-4979 Page no.829-837, September 2021,
- ❖ Presented a technical paper on” **Ground Water Estimation of Bangalore Rural District , Karnataka**” at International Conference on “Impact of Global Atmospheric Changes on Natural Resources” Organised by Department of Civil Engineering , UVCE, Bangalore University, during 19th and 20th November 2018.
- ❖ Presented a technical paper on” **Hydrological Study of Bangalore Urban, Karnataka, India** ” at International Conference on “Impact of Global Atmospheric Changes on Natural Resources” Organised by Department of Civil Engineering , UVCE, Bangalore University, during 19th and 20th November 2018.
- ❖ Presented a technical paper on” **Ground Water Resources Assessment in Chikaballapur District, Karnataka, India**” at International Conference on “Impact of Global Atmospheric Changes on Natural Resources” Organised by Department of Civil Engineering , UVCE, Bangalore University, during 19th and 20th November 2018.
- ❖ Published a Journal on ”**Water Quality Assessment using Physio-Chemical Characteristics of Jakkur Lake in Bangalore North, Karnataka, India.**” International journal of Technical Innovation in Modern Engineering and science(IJTIMES), ISSN:2455-2585,Volume 4,Issue 09, September-2018.
- ❖ Presented a technical paper on” **Hydro geological Studies of North Bangalore**” at National Conference on “Recent Advances in Civil Engineering” Organised by Department of Civil Engineering ,SJCIT Association with ICI-KBC and ACCE , during 10th may 2018.
- ❖ Presented a technical paper on” **Generation of Intensity Duration Frequency curves for small Watershed**” at National Conference on “Recent Advances in Civil Engineering” Organised by Department of Civil Engineering ,SJCIT Association with ICI-KBC and ACCE , during 10th may 2018.

- ❖ Presented a technical paper on” **Hypsometric Analysis of Yagachi Watershed using RS and GIS Techniques**” at National Conference on “Recent Advances in Civil Engineering” Organised by Department of Civil Engineering ,SJCIT Association with ICI-KBC and ACCE , during 10th may 2018.
- ❖ Presented a technical paper on ”**Estimation of Ground Water Prospectus Mapping for Watershed in Karnataka State, India**”. National Seminar for Research Scholars NSRS at AMC College of Engineering, 26-27, April 2018. IJSART – ISSN: 2395-1052.
- ❖ Presented a technical paper on “**Estimation of Surface Runoff by Soil Conservation Service Curve Number Model for Watershed, Bangalore, India**”. National Seminar for Research Scholars NSRS at AMC College of Engineering, 26-27, April 2018. IJSART – ISSN: 2395-1052.
- ❖ Presented a technical paper on “**Water Quality Analysis Using Physio-Chemical Parameters of Jakkur Lake in Bangalore North, Karnataka, India**”. National Seminar for Research Scholars NSRS at AMC College of Engineering, 26-27, April 2018. IJSART – ISSN: 2395-1052.
- ❖ Published a Technical paper on “**Land Degradation Study and Prioritization of Watershed- A Case Study of Dudhganga River Basin, Maharashtra**” at International Conference on Emerging Research in Civil, Aeronautical and Mechanical Engineering –**ERCAM 2017**, during July 21st 2017, held at Nitte Meenakshi Institute of Technology Bangalore, India.
- ❖ Published a Journal on”**Hydrologic Analysis of Suryanagara Watershed using IDF Curve and runoff models**”. International Journal of Research in Engineering and Technology, eISSN: 2319-1163 | pISSN: 2321-7308, Volume: 05 Special Issue: 18 | ICE-SWWEM-2016 | Sep-2016.
- ❖ Presented a technical paper on”**Ground water flow modelling using Modflow software for the kunigal taluk of tumkur district, Karnataka**” at International conference on “Sustainable water and energy management” from 17th -19th August 2016, at **Indian Institute of Science (IISc)**, Bangalore.
- ❖ Presented a technical paper on”**Estimation of Ground water prospectus mapping for kushavathi watershed, Karnataka state, india.**” at International conference on “Sustainable water,waste water and energy management” from 17th-19th August 2016, at **Indian Institute of Science (IISc)**, Bangalore.
- ❖ Presented a technical paper on”**Estimation of surface runoff by SCS curve number model for Suryanagara watershed, Karnataka state, india.**” at International conference on “Sustainable

water,waste water and energy management” from 17th-19th August 2016, at **Indian Institute of Science (IISC)** , Bangalore.

- ❖ Presented a technical paper on”**Hydrologic Analysis of Suryanagara Watershed using IDF Curve and runoff models**” at International conference on “Sustainable water,waste water and energy management” from 17th-19th August 2016, at **Indian Institute of Science (IISC)**, Bangalore.
- ❖ Published a Journal on ”**Sufficiency of Water Distributory (HLBC)**” International journal of Research in Engineering and technology, ISSN:2321-7308,Volume 5,Issue 01, Jnuary-2016.
- ❖ Published a Journal on” **Ground Water Prospectus mapping for Hard Rock terrain in Kolar District Malur Taluk**” Research and Reviews, Journal of Engineering and Technology ISSN: 2319-9873
- ❖ Published a Journal on “**Estimation of Soil Erosion using Revised universal Soil Loss Equation for Harohalli Watershed**” International Journal of Advances in Engineering & Scientific Research, Volume 1, Issue 5, Sep-2014, pp 01-11
- ❖ Published a Journal on” **Estimation of Sub-Watershed Wise Morphometric Parameters Of Harohalli Watershed**” International Journal of Advances in Engineering & Scientific Research, Volume 1, Issue 5, Sep-2014, pp 36-49
- ❖ Published a Journal on” **Estimation of Surface Runoff by SCS Curve Number Model for Harohalli Watershed**” International Journal of Advances in Engineering & Scientific Research, Volume 1, Issue 5, Sep-2014, pp 94-106
- ❖ Presented technical paper on “**Ground water sustainability and management**” At faculty development national workshop on water resources and environmental Engineering from 03rd to 07 th February 2014 held at NMIT, Bangalore.
- ❖ Presented a Technical paper in international conference on “**Identification of ground water potential zones in hard rock terrain**” held at UVCE, Bangalore from 25th to 27th July 2013.
- ❖ Participated international conference on “**water, plumbing sanitation and health issues and challenges-Atrasdisciplinary approach**” organized by UVCE, Bangalore held on 4th to 5th Oct 2010 at BUB, Bangalore.
- ❖ Presented a Technical paper in National conference on “**Ground Water Potential Mapping for Suryanagara Watershed, Bangalore District , Karnataka State, India**” held at Acharya Institute of technology,Bangalore.

Training programmes :

- ❖ Participated in AICTE recognized Short Term Course on “**Research Methodology through ICT**” conducted by National Institute of Technical Teachers Training and Research Chandigarh, MHRD, Government of India. From 09.01.2017 to 13.01.2017 at NMIT, Bangalore, India.
- ❖ Participated in the Indo German Centre for Sustainability Winter School on “**Sustainable Water Management in Urban Areas**” held at Indian Institute of Technology Madras, from 3rd march to 15th march, 2015.
- ❖ Participated training programme on “**sustainable development and management of ground water resources**” at central ground water board Bangalore from 19th to 23rd January 2015.
- ❖ Participated in ISTE-SRM short term training programme on “**Forensic in civil engineering and its fundamentals** “ held at JNNCE , Shivamogga from 21st -26th july 2014.
- ❖ Participated the training programme on “**instructional design and delivery systems**” conducted by MHRD at NMIT Bangalore from 5th to 7th November 2012.
- ❖ Participated the training course on “**Aquifer information system and Aquifer management plan**” held at Bangalore from 18 to 22 Feb 2013

Workshops :

- ❖ Participated in one day Workshop on “**Soil Exploration - A basic need of Construction Projects**” organised by NMIT, Bangalore held on 25th January 2017.
- ❖ One week National level workshop on “**Environmental Management Frame Work-2016**”organised by **BMS** College of Engineering Bangalore from 29th Feb – 04th march 2016.
- ❖ Participated ISTE-WPLP National workshop on “**Forensic in Civil Engineering** “ held at KTDC Thiruvananthapuram from 10th to 12th December,2014
- ❖ Participated in a two week ISTE Workshop on “**Engineering Mechanics**” conducted by IIT Bombay from 26th Nov - 6th Dec 2013.
- ❖ Organized 5 days “**National Workshop on Water Resource and Environmental Engineering**” held at NMIT from 3rd to 7th Feb 2014.

- ❖ Participated “**workshop on inspiring students to excel**” in collaboration with Art of living organization at NMIT, Bangalore held on 18th to 20th July 2014.
- ❖ Participated one day Workshop on “**Isotope Application for Water Resource Development and Management**” held at Bangalore University from 21st August 2014,
- ❖ Attended “**Bhuvan workshop**” organized by ISRO held at Bangalore university held on 17th march 2012.
- ❖ Attended short term training workshop on “**Isotope hydrology**” held at Karunya University from 9th to 14th Dec 2013.
- ❖ Participated two days workshop on “**Air pollution monitoring and control measures**” held at uvce, Bangalore from 25th to 26th Oct 2013.
- ❖ Attended two days workshop on “**Advances in plumbing systems**” held at uvce, Bangalore from 28th to 29th Oct 2013.

Faculty Development Programmes:

- ❖ Participated one day faculty development programme on “**Irrigation Design and Drawing**” held at Acharya institute of technology, Bangalore from 12th april 2014.
- ❖ Participated in the two days faculty development programme on “**Building careers in teaching and research**” held on 31st August to 1st Sep 2012.
- ❖ Attended the 10 days faculty development workshop on “**Drafting software training**” at NMIT, Bangalore from 10th to 20th July 2013.
- ❖ Participated one week faculty development international workshop on “**Analytical and computational solid mechanics**” held at NMIT. From 5th to 9th August 2013.

Memberships:

- ❖ Life Member for “**Indian Society for Technical Education**” Card No. **LM98648**
- ❖ Life Member for “**Indian Water Resources Society**” membership No: **2015-7607**
- ❖ Life Member for “**Indian Association of Hydrologist**” **Roorkee.**
- ❖ Life Member for “**Indian Society for Systems and Engineering**” **IISC, Bangalore. NO. LM01739**

- ❖ Life Member for “**International Association of Engineers (IAENG)**” Member No: 162987, Hong Kong
- ❖ Life Member for “**International Society for Research and Development (ISRD)**”
- ❖ Peer Reviewer for ‘**Water Resources Management**’, Springer Nature Research Integrity Group.
- ❖ Question Paper setter for ‘**Fluid Mechanics**’ and ”**Hydraulics and Hydraulic Machines**” for Siddaganga Institute of Technology, Tumkur
- ❖ Question Paper setter for ‘**Fluid Mechanics**’ and ”**Hydraulics and Hydraulic Machines**” and “**Irrigation and hydraulic structures**” for NMIT, Bangalore.
- ❖ Question Paper setter for “**Building Materials and Construction Technology**” for REVA University, Bangalore.

PROJECTS :

- ❖ Ground water mapping for Cauvery basin Karnataka.
- ❖ Water Quality Analysis of Hebbala Lake, Bangalore, Karnataka, India.
- ❖ Determination of Ground water potential zones using GIS software
- ❖ Impact assessment of Artificial Recharging structures and ground water recharge in malur taluk, kolar district, Karnataka
- ❖ Analyzed the water quality of whole Karnataka and goa states given by central ground water board
- ❖ Determination of Crop water requirement and swat model for malur taluk, kolar district, Karnataka state
- ❖ Central ground water board EIA project successfully completed
- ❖ Clean technologies EIA Project in Gulbarga construction of Sahara prime city is completed

COMPUTER SKILLS:

- Arc GIS
- Map info
- Mod-flow
- Staad pro

- Auto cad
- MS office

AREA OF INTREST:

- ✓ EIA Projects
- ✓ Analysis of Quality of water
- ✓ GIS related works
- ✓ Hydraulic structures Design.
- ✓ Canal design works
- ✓ Drainage design works
- ✓ Water quality analysis
- ✓ Environmental impact assessment

List of Subjects (Courses) taught:

- ✓ Fluid Mechanics.
- ✓ Hydraulics and Hydraulic Machines.
- ✓ Irrigation Engineering and Hydraulic Structures.
- ✓ Hydrology and Water Resources Engineering.
- ✓ Environmental Engineering.
- ✓ Remote sensing and GIS.
- ✓ Engineering Mechanics.
- ✓ Ground water Hydrology.

References:

Dr.Sooryanarayana .Scientist.CGWB Mobile:+919448328259 Email:soorybhat@gmail.com	Dr.M.Inayathulla Prof. UVCE Mobile:+919980210466 Email:drinayath@gmail.com
Dr.A.V Sriram Prof. UVCE. Mobile:+919845253159 Email:avskote65@yahoo.com	Dr.Jai M Paul Prof MACE, Kerala Mobile:+919632251238 Email:jaimpaul@gmail.com
Dr.Shivakumar J Nyamathi Prof. UVCE Mobile:+919845956145 Email:shivakumarnyamthi@yahoo.com	Prof.Ananthayya M.B , NMIT Mobile:+919731407090 Email: ananthayya.ncet@yahoo.com
Dr.A.S.Ravikumar Prof.UVCE. Mobile:+919845037414 Email:as_ravik@yahoo.com	Prof.Jairaj , NMIT, Bangalore Mobile:+919886569167 Email : jairaj67@gmail.com

STRENGTHS:

- ✓ Good Communication Skills.
- ✓ Ability to handle critical situations.
- ✓ Time & quality conscious.
- ✓ Active team worker.
- ✓ Good Team work.
- ✓ Managing capacity

PERSONAL PROFILE:

Name : **Nanjundi Prabhu**
Father's Name : Prabhu.H
Sex : Male.
Marital Status : married.
Nationality : Indian.
Religion : Hindu
Languages Known : Kannada, Hindi, English, and Telugu
Address : Kariyammana Street, Vidyanagara
Holehonnur, Shimoga
Karnataka, India
Phone : +91 8722149270
E-mail : nanjundi.smg@gmail.com
nanjundiprabhu@gmail.com

DECLARATION:

I do here by declare that all the information given above is true to the best of my knowledge.

PLACE: Bangalore

Yours Sincerely,

DATE: 25/06/2021

NANJUNDI PRABHU