

Ph: +91-9440586648



Email: [neelavictorbabu@gmail.com](mailto:neelavictorbabu@gmail.com)

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**Dr. N. Victor Babu**, Head of the Department of Civil Engineering obtained his B.E., M.Tech and Ph.D in Civil Engineering from Andhra University, Visakhapatnam. He is holding Life Time memberships and Fellowships in leading Professional Societies. He has published 18 National & International publications and attended over 30 National and International Conferences.

Among his best known discoveries are the Water shed management and Solid waste management with reference to ground water. He has over 11 years of solid experience in Industry and more than 12 years experience in Academics.

During his work in Industry he has executed more than 60 minor and major bridges, one of his main achievements is the completion of Rs. 105 crores project of Haldi reservoir to Bhilai steel plant main canal lining work in Chattisgarh. Under his able leadership this project was completed well in advance than the scheduled time.

Being passionate of academics he diverted from Industry to teaching field and started his teaching career in this institution as Professor & HOD. Later he took the change of Principal-ship for two years. He is a ratified Principal by Jawaharlal Nehru Technological University.

With his relentless efforts as Principal he strived for the progress of the institution in accomplishing the vision of being a centre for technical and academic excellence. Under his dynamic leadership, Baba Institute of Technology and Sciences stepped forward by securing NAAC Accreditation. His rich exposure has empowered him with a diverse and innovative approach as an academic leader.

He has guided 28 PG Projects and produced one Ph.D and presently guiding 3 Research Scholars. He is also a proud recipient of Life Time achievement award by Mother Teresa Social Welfare Organization in recognition of his Social service.

With his rich experience multifaceted personality and qualities he has been leading the students with Vision and dedication.

The Civil Engineering Department is proud to be lead by such an eminent personality who stands as an inspiration to the Department.

### **Areas of Expertise:**

Solid Waste Management, Groundwater, Water resources, Watershed Management, Geo-technical and Remote Sensing & GIS

### **Educational Qualifications:**

- **Ph.D** from Andhra University in Geo-Engineering Dept (research area *A study on selection of landfill sites for solid waste management in the environs of Greater Visakhapatnam Municipal Corporation, Visakhapatnam district, India- A spatial technology approach*) awarded on September, 2013.
- **M.Tech, Geo-Engineering** from Andhra University College of Engineering, Andhra University, Visakhapatnam in first division (1998).
- **B.E**, Civil Engineering from Andhra University College of Engineering, Andhra University, Visakhapatnam in second division (1992).

### **Training:**

- Attended in National Short Term Course on “**Design of Coastal and Offshore Structures**” Sponsored by SERB, DST, New Delhi, Govt. of India. Organized by Department of Civil Engineering, Andhra University College of Engineering (A), Visakhapatnam. From 01<sup>st</sup> to 05<sup>th</sup> February, 2016.
- Attended in a Three week Training Program on “**Geo-Spatial Data and its Applications**” sponsored by NRDMS, Dept. of Science & Technology, Govt. of India, New Delhi held at Aditya Institute of Technology and Management, Tekkali from 22<sup>nd</sup> September to 12<sup>th</sup> October, 2014.
- Trained in “**Aquifer management system and Aquifer information system**” CGWD (Central Ground Water Board), New Delhi (2012).
- Trained in “**GIS & Remote Sensing Techniques**”, at NRSA. (National Remote Sensing Agency), Hyderabad (2000).

**Teaching Experience:** Total Teaching Experience: nearly, 11 Years 02 Months.

- ❖ Working as Professor and HOD, Department of Civil-Engineering, BABA Institute of Technology and Sciences, Visakhapatnam, □ from November 2016 to till date.
- ❖ Worked as Principal, BABA Institute of Technology and Sciences, Visakhapatnam, from October, 2014 to November, 2016.
- ❖ Principal Ratified in JNTUH, Hyderabad.

- ❖ Ratified as Associate Professor in JNTUK, Kakinada.
- ❖ Worked as Professor and HOD, Department of Civil-Engineering, BABA Institute of Technology and Sciences, Visakhapatnam, from September, 2013 to October, 2014.
- ❖ Worked as Associate Professor, Department of Civil-Engineering, BABA Institute of Technology and Sciences, Visakhapatnam, from July, 2011 to August, 2013.
- ❖ Worked as Assistant Professor, Department of Mechanical Engineering, LENDI Institute of Engineering and Technology, Jonnada, Vizianagaram, from February, 2010 to June, 2011.
- ❖ Worked as Teaching Associate, Department of Geo-Engineering, A U College of Engineering (A), Andhra University, Visakhapatnam, from January, 2005 to January, 2010.

### **Papers published in journals:**

1. **N. Victor Babu**, P.Jagadeeswara Rao and I.V.R.K.Prasad. “Impact of Municipal Solid Waste on Groundwater in the Environs of Greater Visakhapatnam Municipal Corporation Area, Andhra Pradesh, India”. International Journal of Engineering Science Invention ISSN (Print): 2319 – 6726 Volume 2 Issue 3, March. 2013; PP.28-32
2. **N.Victor babu**, “Selection of landfill sites for solid waste management in the environs of GVMC-A special technology approach”. International Journal of Civil, Structural and Environmental and Infrastructure Engineering Research and Development (IJCSEIERD) ISSN (P): 2249-6866; Vol. 3, Issue 5, December 2013, 181-188.
3. G.Ashenafi Tolessa, □ P.Jagadeeswara Rao and **N.Victor Babu**. “Morphometric analysis of Tandava river basin using GIS techniques, Visakhapatnam district, India. Cloud Publications, International Journal of Advanced Remote Sensing and GIS 2013, Volume 2, Issue 1, pp. 59-69, Article ID Tech-58 ISSN 2320 – 0243.
4. **N. Victor Babu** and G. Ashenafi Tolessa. “Urbanization Trend Analysis of Greater Visakhapatnam Municipal Corporation (GVMC)”. International Journal of Civil and Environmental Engineering, ISSN: 1701-8285, Vol.35, Issue.2.2013.
5. **N. Victor Babu** and G. Ashenafi Tolessa. “Hydrogeochemistry Study of Madhurawada Panchayat, Visakhapatnam District, Andhra Pradesh, India”. European Academic Research, Vol.II, Issue 9, December 2014.
6. J. Shankar and **Dr. N. Victor Babu**. “Experimental Study on Partial Replacement of Cement by Red Mud in Concrete”. Journal of IJSART, Volume 2, Issue 5, May, 2016.pp 155-162.

7. Shalinikumari.Pothunuri1,**Dr. N. Victor Babu**, Mrs. B. Sri Harsha, C. Ramesh Dutt. Benefits of Partial Replacement of Aggregates by Foundry Sand and Waste Rubber in Self Compacting Concrete.International Journal of Research. Volume 03 Issue 10, June 2016, pp. 386-393.

8. B.Mangamma, **Dr N.Victor babu**, G.Hymavathi.An Experimental Study on Behavior of Partial Replacement of Cement with Ground Granulated Blast Furnace Slag. Journal of Engineering Research and Application, ISSN: 2248-9622, Vol. X, Issue X, 2016

**. Papers presented in Conferences:**

- **N.Victor Babu**, P.Jagadeeswara Rao and I.V.R.K.Prasad. “A selection of landfill sites for solid waste management in and around Greater Visakhapatnam Municipal Corporation-A GIS approach” presented in International Symposium on EEEE-2011, Andhra University, India. 23<sup>rd</sup> and 24<sup>th</sup> December, 2011.

**Conferences Attended:**

1. Participated in the one day seminar on “**Pollution Control Technics Adopted Industrially**” organised by the Department of Chemical Engineering, Andhra University College of Engineering, Visakhapatnam, held on 31<sup>st</sup> December 2005.
2. National Symposium GEOLATRY-2012, Andhra University, India, 20<sup>th</sup> and 21<sup>st</sup> March, 2012.
3. International Symposium on “**EEEE-2012**”, held at Andhra University, India. During 23<sup>rd</sup> -24<sup>th</sup> December, 2012
4. National Symposium “**GEOLATRY-2013**”, Andhra University, India, 20<sup>th</sup> and 21<sup>st</sup> March, 2013.
5. ISG-ISRS “**National Symposium-2013**”, on “**Remote Sensing and GIS for Environment with Spatial Emphasis on Marine and Coastal Dynamics**” held at Andhra University, India, during 4<sup>th</sup> - 6<sup>th</sup> December, 2013.
6. National Seminar cum Workshop **PETRO FEST-2013**, held at Andhra University, India, 27<sup>th</sup> to 29<sup>th</sup> December, 2013.
7. Participated in the Two day National workshop on “**Coastal Erosion & Environmental Challenges (CEEC)**” “held on 6<sup>th</sup> & 7<sup>th</sup> March, 2015 at Department of Civil

Engineering, Jawaharlal Nehru Technological University, College of Engineering, Kakinada

8. Attended International Conference “**Mineral Processing Technology (MPT 2014)**” held during 12<sup>th</sup> to 14<sup>th</sup> March, 2015 organized by Andhra University and Indian Institute of Mineral Engineers, India.
9. Participated in the one day workshop on “**Geospatial Technologies for Resources Evaluation and Disaster Management(GTREDM)**” conducted by Geo Engineering, Andhra university College of Engineering(A), Visakhapatnam on 22<sup>nd</sup> April, 2015.
10. Participated in the “**Round Table Conference of Vice Chancellors of Technical Universities on Innovations in Engineering Education with Global Perspective: A Blended Approach**”, which was jointly organized by Association of Indian Universities and JNTUK, Kakinada during 22<sup>nd</sup> - 23<sup>rd</sup> September, 2015.
11. Participated in the Seminar on “**Geo-Technical Engineering Significance in Urban Infrastructure Projects**” organized on 2<sup>nd</sup> October, 2015 at Department of Civil Engineering, Andhra University College of Engineering (A), Visakhapatnam.
12. Participated in International workshop on “**Desalination (InDACON-2016)**” held during 29<sup>th</sup> – 31<sup>st</sup> January, 2016 at Andhra University College of Engineering (A), Visakhapatnam.
13. Participated in workshop on “**Intellectual Property Rights: Challenges & Opportunities for Startups**” held during 29<sup>th</sup> – 31<sup>st</sup> January, 2016. Organized by Controller General of Patent, Design & Trademark, Government of India and National Research Development Corporation, New Delhi. Conducted at Andhra University College of Engineering (A), Visakhapatnam
14. Participated in the **National Programme on “Technology Enhanced learning”** (IIT Madras) one day workshop conducted on 15<sup>th</sup> February, 2016 at GITAM University, Visakhapatnam.
15. Participated in two day **National workshop on “Recent Trends in GIS with special reference to mobile crowdsourcing”** at department of Geo-Engineering, Andhra university college of engineering(A), Andhra university Visakhapatnam. From 27-28, February, 2017

## **Memberships:**

Fellow as Institute of Engineers (FIE)

Life Member in Indian Society of Geomatics (ISG)

Life Member in Indian Society of Remote Sensing (ISRS), and Treasurer Visakhapatnam local chapter.

Life Member in Indian Geotechnical Society (IGS)

Life Member in Indian Concrete Institute (ICI)

Life Member in International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)

## **Projects Handled:**

**Project Title: Empowering Panchayati Raj Institutions Spatially (EPRIS)**

**Institution: BABA Institute of Technology and Sciences, Visakhapatnam**

**Client : National Remote Sensing Agency (NRSA),  
Dept of Space, ISRO, Hyderabad.**

**Duration : 3 Months.**

**Cost : Rs. 20, 00, 000.00**

**Role : Focal point Coordinator, Visakhapatnam Dist.**

**Abstract:** : Empowering Panchayati Raj Institutions Spatially (EPRIS)' is a comprehensive outreach programme initiated by ISRO, DOS with the goal to empower Panchayati Raj Institutions for resource-based and integrated spatial developmental planning for rural areas in a user-friendly enabling environment using space-based inputs. This document presents the guidelines for the implementation of EPRIS Project.

**Keywords:** :Space based Information, Panchayati Raj Institutions, Decentralized Planning, Bhuvan Panchayat, Area Profile Report, Asset Mapping, Activity Planning

**Industrial Experience:** Experience in Civil construction, GIS & Remote sensing is about 11Years.

## **Administrative Experience:**

- Having enough experience in preparing AICTE and NAAC approval documentation work.
- **Under my esteemed leadership BABA Institute of Technology and sciences got NAAC Accreditation in May, 2016.**

## **Strengths:**

- Goal & Achievement Motivation
- Ethical & Professional Behavior
- Commitment towards work
- Reading Personality Development Books
- Strong Desire to “Make up a Mark”

**Languages Known:**

English, Telugu and Hindi

**Subjects Taught:****B.Tech-Civil Engineering**

- Geomorphology
- Surveying
- Estimation and Quantity Survey
- Construction Materials and Management
- Water Resources Engineering
- Water Shed Management
- Engineering Geology
- Remote Sensing and GIS

**M.Tech-Geo-Engineering**

- Groundwater Hydrology
- Geomorphology
- Remote Sensing
- GIS

**Labs Handled:**

- Surveying
- Remote Sensing & GIS
- Engineering Geology
- Public health and Environmental engineering
- Digital Image Processing