

CURRICULUM VITAE

Dr. N. Victor Babu
Ph. D., FIE.

H. No: 8-44-29/1/7,
Flat No-302,
Trishul Villa Apartments,
Vidya Nagar colony,
Visakhapatnam,
A.P-530003.



Ph: +91-9440586648

Email: neelavictorbabu@gmail.com

Objective:

To get a challenging career to nurture my skills and creative ideas to the maximum extent in which I can get high level of teaching and learning abilities to work with the Construction, GIS & Remote Sensing fields.

Areas of Expertise:

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

Educational Qualifications:

- **Ph. D** from Andhra University in Geo-Engineering (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 in 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).

Summarized Information:

- Presently working as professor Aditya institute of Technology and Management, Tekkali, Srikakulam from 28 June 2016 to till to date.
- Undergone 05 Training courses
- Worked in the Capacity of Principal (Ratified by JNTU)
- Chairman of various academic committees.
- Total No. of National / International Journal papers published – 53
- Total No. of papers presented in conference - 25
- Member of Organizing Committees, Review Committees

- Total No. of M.Tech Projects Guided – 34
- Participated in 30 various programmes (Seminars / Symposium / workshops / FDPs)
- Fellow in Institute of Engineers, Life Member in 07 different bodies

Training Courses undergone:

- Undergone National Short Term Training on **“Open Source Web GIS Tools for Rural Development”** organized by National Institute of Rural Development & Panchayati Raj (Ministry of Rural Development, Government of India), Rajendra Nagar, Hyderabad, India from 06th to 09th June, 2017.
- Completed 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 01st to 05th February, 2016.
- Undergone a Three week Training 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 22nd September to 12th October, 2014.
- Undergone Training in **“Aquifer management system and Aquifer information system”** CGWD (Central Ground Water Board), New Delhi (2013).
- Completed one month training course in **“GIS & Remote Sensing Techniques”**, at NRSA. (National Remote Sensing Agency), Hyderabad (2000).

Having solid experience of 14 years in teaching as well 10 years in Industry:

- ❖ **Ratified as Principal** by JNTUH, Hyderabad.
- ❖ Ratified as **Professor**, Dept. of Civil Engineering by JNTUK, Kakinada.
- ❖ Worked as **Assistant Professor**, Department of Mechanical Engineering, LENDI Institute of Engineering and Technology, Jonnada, Vizianagaram, from February, 2010 to June, 2011.

Papers published in journals (50):

1. Ch. Kameswara Rao, **Dr. N. Victor Babu**. “Effect on Compressive Strength of Concrete by Partial Replacement of Fine Aggregate with Blast Furnace Slag”. International Journal of Engineering, Science and Mathematics Vol. 6 Issue 8, December 2017 (Special Issue) ISSN: 2320-0294. Pp: 226-230.
2. Hari Krishna Karanam and **Victor Babu Neela**. Study of “Normalized difference built-up (NDBI) index in automatically mapping urban areas from Landsat TM imagery”. International Journal of Engineering, Science and Mathematics Vol. 6 Issue 8, December 2017 (Special Issue) ISSN: 2320-0294. Pp: 239-248.
3. V .Naga Sai Sindhuja, **Dr. N. Victor Babu**, CH. Ramesh Naidu, Murali Krishna Gurram. “Watershed Preservation and Control using Gis”. International Journal of Engineering, Science and Mathematics Vol. 6 Issue 8, December 2017 (Special Issue) ISSN: 2320-0294. Pp: 266-268.
4. **Dr. N. Victor Babu**, B. V. Ramanamurthy, Neeli Harikrishna. “Experimental investigation on partial replacement of Cement with GGBFS and Sand with Bottom Ash in concrete”. International Journal of Engineering, Science and Mathematics Vol. 6 Issue 8, December 2017 (Special Issue) ISSN: 2320-0294. Pp: 292-296.
5. Nanubilli Ramu, **Dr. N. Victor Babu**. “Use of Recycled Materials in Concrete Construction”. International Journal of Engineering, Science and Mathematics Vol. 6 Issue 8, December 2017 (Special Issue) ISSN: 2320-0294. Pp: 309-314.
6. Buddepu Mangamma, Bagathi Venkata Ramana, **Dr. N. Victor Babu**. “Experimental Investigation on Concrete, Replaced with GGBS and Bottom Ash as Cement and Fine Aggregate”. International Journal of Engineering, Science and Mathematics Vol. 6 Issue 8, December 2017 (Special Issue) ISSN: 2320-0294. Pp: 335-341.
7. Bugatha Adilakshmi, **Dr. N. Victor Babu**. “A comparative study on compressive strength of cement mortar cubes with fly ash and GGBS produced using different fine aggregates”. International Journal of Engineering, Science and Mathematics Vol. 6 Issue 8, December 2017 (Special Issue) ISSN: 2320-0294. Pp: 657-667.
8. Aripaka Venkateshu, **Dr. N. Victor Babu**, Kodali Roopesh, Ch. Divyaphani. “An experimental study on Self Compacting Concrete using Polypropylene fibre”. International Journal of Engineering, Science and Mathematics Vol. 6 Issue 8, December 2017 (Special Issue) ISSN: 2320-0294. Pp: 1159-1166.

9. B. Sridhar, **Neela Victor Babu** and Aditya Allamraju. "Geological Mapping through Geospatial Technologies in the district of Visakhapatnam, Andhra Pradesh, India". International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 2385-2390.
10. B. Sridhar, P.Jagadeeswara, **Neela Victor Babu** and Aditya Allamraju. "A Geo-Spatial approach to the Land Use/Land Cover mapping of the centre part of Srikakulam district, Andhra Pradesh, India". International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 2391-2401.
11. Dr.K Anand RatnaKumar, Suribabu Boyidi and **Dr.N Victor Babu**. "Geo-spatial analysis of HIV Status in East Godavari District, Andhra Pradesh, India". International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 5919-5927.
12. **Neela Victor Babu**, Ramojirao Jogi, Gudikandhula Narasimha Rao and Venkateswarlu Sunkari A Study on identification of landslide zones along the Recent Expansion of GVMC, visakhapatnam district-a GIS Approach. International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 5726-55738.
13. E.Srinivas, **N.Victor Babu**, B.Sridhar and Vijayabhaskar Reddy. "Metal Contamination in urban Soils of some Play Grounds of Hyderabad City, Telangana state, india". International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 5897-5903.
14. Dr. Raj Kumar K, **Dr. N. Victor Babu** and Srija K. "A New Spectrophotometric method for the determination of selenium (IV) by using ferrous ammonium sulphate as a reductant". International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 5705-5715.
15. B. Sridhar, **Neela Victor Babu** and Aditya Allamraju. "Application of Geospatial Technologies in Geology mapping of Bheemili in the district of Visakhapatnam, Andhra Pradesh, India". International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 2864-2870.
16. Ch.Kameswara Rao, **Dr.N.Victor Babu** and Sumesh Raja. "Study on M25 and M30 Grade Concrete by Partial Replacement of Cement With Metakaolin". International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 2450-2458.

17. Dilip Kumar and **Dr. N. Victor Babu**. “Study on Properties of Sisal Fiber Reinforced Concrete by Adding of Different Percentages and Different Sizes of Sisal Fiber”. International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 2466-2476.
18. Dhuda Anil and **Dr.N.Victor Babu**. “Study on Mechanical Properties of Concrete by using Robo Sand as a Partial Replacement of Fine Aggregate”. International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 2477-2486.
19. Madhuri Mulpuru, B. Sridhar, **Neela. Victor Babu**, and AdityaAllamra. “Geo-Spatial approach to Geomorphology mapping for Thandava Reservoir Catchment of Visakhapatnam district, Andhra Pradesh”. ”. International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 2402-2409.
20. Madhuri Mulpuru, **Neela Victor Babu**, B. Sridhar, Aditya Allamraju. “Geological mapping for Thandava Reservoir Catchment of Visakhapatnam, Andhra Pradesh using Geo-Spatial technologies”. International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 2410-2419.
21. Hari Krishna Karanam and **Neela Victor Babu**. “Integrated Methodology of Geoengineering Investigation for Determination of Subsurface Lithology and Suggest Founding Levels of the Civil Structures at Road Over Bridge Locations - A Case Study in Vizianagaram District, Andhra Pradesh”. International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 2532-2539.
22. E.Srinivas, **N.Victor Babu**, B.Sridhar, G.Sakram and Praveen raj Saxena. “Ambient Air Quality Monitoring in And around Dolomite and Limestone Mine of Kamalapuram surrounding area, Kurnool District, Andhra Pradesh, India”. ”. International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 2827-2832.
23. Dr.Raj Kumar K, Dr.Raju G, **Dr. N. Victor Babu** and Srija K “. A new analytical aspect for the determination of selenium (IV) with Tin (II) Chloride”. International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 6705-6716.
24. S.Naveen, Nanubilli Ramu and **Dr. N.Victor babu**. “Quality Disparity of Concrete by Partial Replacement of Fly ash and GBS”. International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 5716-5722.

25. Dr.Raj Kumar K, Dr.N.Victor Babu and Srija K. "Spectrophotometric determination of selenium (IV) with Titanium (III)". International Journal of Management, Technology and Engineering. ISSN NO: 2249-7455, Volume 8, Issue XII, December/2018, pp: 5705-5711.

Papers presented in Conferences:

- P. Satyanarayana, E. Siva Sankar, E. Amminedu and **N. Victor Babu**. "Inventory and Monitoring of Glacial Lakes in Himalayan Region using Geo-Spatial Technologies" presented in International Conference on Remote Sensing for Disaster Management (ICRSDM-2017), held at Department of Geo-Engineering, Andhra University College of Engineering (A), Andhra University, Visakhapatnam, India. 11th -13th October, 2017.
- **Neela. Victor Babu**, Suri Babu Boyidi and Sridhar Bendalam. "A Geo-Spatial study on Solid Waste Management for the Visakhapatnam Smart City" presented in International Conference on Remote Sensing for Disaster Management (ICRSDM-2017), held at Department of Geo-Engineering, Andhra University College of Engineering (A), Andhra University, Visakhapatnam, India. 11th -13th October, 2017.
- **Neela. Victor Babu**, Suri Babu Boyidi and Sridhar Bendalam. "A Geo-Spatial study on Visakhapatnam Smart city based on Hydrogeochemistry Analysis" presented in International Conference on Remote Sensing for Disaster Management (ICRSDM-2017), held at Department of Geo-Engineering, Andhra University College of Engineering (A), Andhra University, Visakhapatnam, India. 11th -13th October, 2017.
- Ch. Kameswara Rao, **Dr. N. Victor Babu**. "Effect on Compressive Strength of Concrete by Partial Replacement of Fine Aggregate with Blast Furnace Slag". Presented in International Conference on Mathematical Sciences in Engineering Application (ICMSEA-2017). BABA Institute of Technology and Sciences, Visakhapatnam, India. 22nd-24th December, 2017.
- Hari Krishna Karanam and **Victor Babu Neela**. Study of "Normalized difference built-up (NDBI) index in automatically mapping urban areas from Landsat TM imagery". Presented in International Conference on Mathematical Sciences in Engineering Application (ICMSEA-2017). BABA Institute of Technology and Sciences, Visakhapatnam, India. 22nd-24th December, 2017.
- V. Naga Sai Sindhuja, **Dr. N. Victor Babu**, CH. Ramesh Naidu, Murali Krishna Gurram. "Watershed Preservation and Control using Gis". Presented in International Conference on

Mathematical Sciences in Engineering Application (ICMSEA-2017). BABA Institute of Technology and Sciences, Visakhapatnam, India. 22nd-24th December, 2017.

- **Dr. N. Victor Babu**, B. V. Ramanamurthy, Neeli.Harikrishna. “Experimental investigation on partial replacement of Cement with GGBFS and Sand with Bottom Ash in concrete”. Presented in International Conference on Mathematical Sciences in Engineering Application (ICMSEA-2017). BABA Institute of Technology and Sciences, Visakhapatnam, India. 22nd-24th December, 2017.
- Nanubilli Ramu, **Dr. N. Victor Babu**. “Use of Recycled Materials in Concrete Construction”. Presented in International Conference on Mathematical Sciences in Engineering Application (ICMSEA-2017). BABA Institute of Technology and Sciences, Visakhapatnam, India. 22nd-24th December, 2017.
- Buddepu Mangamma, Bagathi Venkata Ramana, **Dr. N. Victor Babu**. “Experimental Investigation on Concrete, Replaced with GGBS and Bottom Ash as Cement and Fine Aggregate”. Presented in International Conference on Mathematical Sciences in Engineering Application (ICMSEA-2017). BABA Institute of Technology and Sciences, Visakhapatnam, India. 22nd-24th December, 2017.
- Bugatha Adilakshmi, **Dr. N. Victor Babu**. “A comparative study on compressive strength of cement mortar cubes with fly ash and GGBS produced using different fine aggregates”. Presented in International Conference on Mathematical Sciences in Engineering Application (ICMSEA-2017). BABA Institute of Technology and Sciences, Visakhapatnam, India. 22nd-24th December, 2017.
- Aripaka Venkateshu, **Dr. N. Victor Babu**, Kodali Roopesh, Ch. Divyaphani. Presented in International Conference on Mathematical Sciences in Engineering Application (ICMSEA-2017). BABA Institute of Technology and Sciences, Visakhapatnam, India. 22nd-24th December, 2017.

Workshops / Symposiums / Seminars / Conferences Attended:

1. 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.
- 2 Participated in **“Innovation Fair exhibits the idea SMART CITY”** at Design Innovation Centre, JNTUK, Kakinada on 7th October 2017.

Professional body Memberships:

Fellow as Institute of Engineers (FIE) - (F-1220337)

Life Member in Indian Society of Geomatics (**ISG – L – 1929**)

Life Member in Indian Society of Remote Sensing (**ISRS-L-4899**)

Life Member in Indian Geotechnical Society (IGS)

Life Member in Indian Concrete Institute (ICI) – (**LM – 11932**)

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

Life Member in International Association of Engineers (IAENG) – (**LM – 11932**)

Life Member in the Society of Digital Information and Wireless Communications (SDIWC) – (**LM – 20201**)

Life Member in International Association for Computing Science and Information Technology (IACSIT)

: Testing cubes

Major achievements : 20 K.M. Road & 3 No's of four storied Building constructed.

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
- Common Work-Shop

Social Responsibility:

- Awarded GURUBRAHMA-Life time achievement state award 2012 by Mother Teresa Social Welfare Organization, Hyderabad.
- Awarded AANIMUTYAM-Life time achievement state award 2013 by Mother Teresa Social Welfare Organization, Hyderabad.

Personal profile:

| | |
|----------------|------------------------------|
| Date of birth | : 5 th June 1968. |
| Marital status | : married |
| Father's name | : Samuel |
| Nationality | : Indian |

References:

- Prof. B. Vijaya Saradhi, Department of Civil-Engineering, AUCE (A). Andhra University, Visakhapatnam, Andhra Pradesh, India Cell: +91-9703073171. Email: bvsaradhi71@gmail.com.
- Prof. G. Jai Sankar, Dept of Geo-Engineering, AUCE (A). Andhra University, Visakhapatnam, Andhra Pradesh, India Cell: +99701652318, Email:jaisankar@rediffmail.com.

DECLARATION:

Personal Statement

: My strengths are my dedication and hard work; I have good technical & analytical skills. These along with my experience & desire for learning & commitment to excellence, would help me Contribute meaningfully to the Organization I work for.

(Dr. N. VICTOR BABU)