

Curriculum Vitae of Mr. Simanta Kumar Nayak

Name & Address

Mr. Simanta Kumar Nayak

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Educational Qualification

- B. E. (Computer Science and Engineering) from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra in the year 1993.
- M. E. (Computer Science and Engineering) from NIT (Former Regional Engineering College), Rourkela, Orissa in the year 1999 - 2000.
- Continuing PhD on the topic "Design and Development of an Indigenous Drug for Diabetics II through A Soft Computing Approach".

Technical Skills

- **Hardwar:** PC Pentium Pro.
- **Operating Systems:** MS-DOS-6x, Windows NT 4.0, Windows9x, UNIX and Linux.
- **Servers used on LAN based Client Server Architecture:** TEAM server
- **Programming Languages:** BASIC, FORTRAN, PASCAL, C, C++, PL/SQL, HTML, JAVA SCRIPT, and VBSCRIPT.
- **Databases:** ORACLE-8i, DBASE IV.
- **GUIs:** VISUAL BASIC-6, DEVELOPER 2000

Trainings Undergone

- Participated in the **AICTE / ISTE** short-term training program on "**Advanced Problem Solving Techniques in Artificial Intelligence**" conducted by Department of CSEA, REC, Rourkela from 15th March 1999 to 27th March 1999 (2 weeks).
- Participated in the **AICTE / ISTE** short-term training program on "**Advance topics on Algorithms**" conducted by Department of CSEA, B.E.(Deemed University) college Kolkata from 26th December 2000 to 05th January 2001 (2 weeks).
- Participated in the **AICTE / ISTE** short-term training program on "**Molecular Computer – A New Challenge Ahead**" conducted by Department of CSA, College of Engineering & Technology, OUAT, Bhubaneswar from 16th December 2002 to 29th December 2002 (2 weeks).
- Participated in the **AICTE / ISTE** short-term training program on "**Application of**

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Information Technology in Civil Engineering Problem" conducted by Department of Civil, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar from 31st March 2003 to 11th April 2003 (2 weeks).

- Participated in the **AICTE / ISTE** short-term training program on "**Soft Computing Methods and their Applications**" conducted by Department of Electrical and Electronics & Telecommunication Engineering, Indira Gandhi Institute of Technology(IGIT), Sarang from 22nd December 2003 to 3rd January 2004 (2 weeks).

Project Details

- **Minor Project**
 1. Student Information System using C.
 2. Library Information System using FoxPro.
 3. Hospital Information System using FoxPro.
 4. Menu Driven Interactive Editor using C.
- **Major Project**
 1. **SIMPLEX METHODS** using C and Foxbase.

Research Work

ARTIFICIAL NEURAL NETWORKS BASED PREDICTION OF CURRENCY RATE using VC++.

Experiences

- **Present Position**

Asst. Professor and HOD in Computer Science and Engineering Department of Eastern Academy of Science and Technology(EAST), Bhubaneswar, Orissa from 22nd October 2008.

- **Past Experiences**

- i. Asst. Professor and HOD in Computer Science and Engineering Department of The Techno School(TTS), Bhubaneswar, Orissa from 1st December 2005 to 20th October 2008.
- ii. Asst. Professor in Computer Science and Engineering Department of Orissa Engineering College(OEC), Bhubaneswar, Orissa from 12th November 2003 to 30th November 2005.

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- iii. Senior Lecturer in Computer Science and Engineering and Information Technology Department of Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, Orissa from 15th November 2000 to 31st October 2003.
- iv. Lecturer in Computer Science and Engineering Department of Institute of Technical Education and Research (ITER), Bhubaneswar, Orissa from 1st August 1997 to 14th November 2000.
- v. Part – Time Faculty Member in College of Engineering, O.U.A.T., Bhubaneswar from 1st May 1995 to 30th July 1997.
- vi. Programmer in Eastern India Agro Distilleries Private Limited, Nayagarh from 1st February 1994 to 20th April 1995.

• Other Experiences

- i. Member of Session Management Committee for National Seminar on "**Theoretical Computer Science**", Bhubaneswar, Orissa.
- ii. Installation of LAN using Pentium Systems under Novell Netware-3.12 at Department of Computer Science and Engineering, Institute of Technical Education and Research (ITER), Saheednagar, Bhubaneswar, Orissa.
- iii. Member of Session Management Committee for 3rd International Conference on Information Technology, Bhubaneswar 21st – 23rd December 2000.
- iv. Member of Session Management Committee for ADCOM 2001, Bhubaneswar.
- v. Invited as **Resource Person** for the **AICTE / ISTE Summer School on "Application of Information Technology in Civil Engineering Problem"** organized by Department of Civil, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar held on 31st March 2003 to 11th April 2003

Publications

1. "Prediction of Currency Rate using Artificial Neural Networks", 42nd Technical Review of Institute of Engineers (India), Orissa Center, pp. 95-100, [Awarded Gold Medal].
2. "Probabilistic Neural Networks for Pattern Classification", Proceedings of the 2002 International Joint Conference on Neural Networks of World Congress on Computational Intelligence 2002, pp. 1200 – 1205, Vol.2.
3. "Improving TCP Performance in MANET", Proceedings of the International Conference on Information Technology 2003, Bhubaneswar, Orissa, INDIA, pp. 48 – 51.

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4. “Neural Network Based Algorithm for Cluster Detection”, Proceedings of the National Seminar on Data mining & Warehousing: Trends & Applications 2007, Orissa, INDIA, pp. 01 – 06.
5. “Computational Modeling to Herbal Drug Design by GA & ANN”, Proceedings of the International Nanotechnology Conference & Trade Expo, Dallas, Texas, USA.

Membership

Member in many organizations as ISTE, OEC, OITS.