Dr. N.Palaniappan

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Educational Qualifications:

- Ph.D. Computer Science from Gandhigram Rural Institute – Deemed University, Gandhigram, 2015.

  Ph.D. Title : Facial Image Normalization, Compression and Recognition Using Set Partition In Hierarchical Trees (SPIHT)
- Master of Computer Applications, Madurai Kamaraj University, 2002.
- Post B.Sc. Diploma in Computer Science and Applications, Madurai Kamaraj University, 1987.
- B.Sc. Mathematics, Madurai Kamaraj University, 1986.

Experience :

27 years of experience in software development and maintenance

- Cash Book Management Software
- Student's Profile Management Software
- Student's Fee Management Software
- Online Fee Payment Software - Integrating Canara Bank's payment gateway with our university website.
- Online Admission Portal for Diploma/U.G./Post Diploma/P.G./P.G. Diploma/M.Phil. Courses
- Online Admission Portal for Ph.D.
- Online Convocation Application Management
- Gandhigram Rural Institute Information Management System
- Member of Website Technical Management Team

11 years of experience in Campus LAN management

- Load balancing with two ISPs – Railtel and BSNL
- BSNL Router Maintenance
- Cyberoam - Firewall Maintenance

- 4 Kms. of Optical Fiber Cable
- More than 650 Nodes
- More than 2000 Internet Users
- 45 High, Medium and Low range Wi-Fi devices
- Designing, Estimating and implementing new network layouts
- Squid Web Proxy Servers

Computer Lab Maintenance

- Actively involved in rearranging the Computer Centre in new building.
- Actively involved in establishing E-Content Development Lab.
- Actively involved in establishing Internet Browsing Centre.
- Actively involved in installing and maintenance of Data Servers.

Surveillance System

- Actively involved in designing the network and installation of 36 IP based cameras.
- Actively involved in installing recording storage servers.

Publications :

International Journal

- Somasundram, K., and Palaniappan, N.: Adaptive Low Bit Rate Facial Feature Enhanced Residual Image Coding Method using SPIHT for Compressing Personal ID Images, AEU - International Journal of Electronics and Communications, Vol.65, No.6, June 2011, pp.589-594.

International Conference

- Somasundram, K., and Palaniappan, N.: Facial Recognition in Low Bit Rate SPIHT Compressed Facial Images, International Conference on Mining Intelligence and Knowledge Exploration, LNAI 8284, Springer International Publishing, 2013, pp.160-172.
- Somasundram, K., and Palaniappan, N.: Personal ID Image Normalization Using ISO/IEC 19794-5 Standards for Facial Recognition Improvement, International Conference on Mathematical Modeling and Scientific Computation, Communications in Computer and Information Science, Springer Berlin Heidelberg. Vol.283, 2012, pp.429-438.

National Conference

- Somasundram, K., and Palaniappan, N.:Compression of Facial Images Using Object Based SPIHT, National Conference on Image Processing, 12th & 13th February 2010, The Gandhigram Rural Institute - Deemed University, Gandhigram.

Resource Person for

- Two batches of ITN (Office Automation software).
- Training to TWAD Board administrative Staff during May 1999.
- Training programme on E-Content Development during 12.11.07 to 23.11.07.
- Training programme on E-Content Development during 10.12.07 to 20.12.07
- Skill Up-gradation Training programme on Digital Photography & video 09.02.2009 to 23.02.2009.
- Skill Up-gradation Training programme on Digital Photography & video 23.02.2009 to 09.03.2009.
- Skill Up-gradation Training programme on Digital Photography & video 11.03.2009 to 25.03.2009.
- Computer Training on Office Automation and use of Internet 29.06.2009 to 04.07.09.
- Training programme on Digital videography and photography for NYK youth, Feb 2013 , IDARA-NYK, Gandhigram Rural Institute – Deemed university at Gandhigram.
- Two weeks Training Programme on Multimedia for EContent Development for Assistant Professors (Batch - I) of Gandhigram Rural Institute-Deemed University, Gandhigram during Feb. 2014.
- Two weeks Training Programme on Multimedia for EContent Development for Assistant Professors (Batch - II) of Gandhigram Rural Institute- Deemed University, Gandhigram during March 2014.

Organizing Committee Member

- Association of Indian Universities, New Delhi sponsored South Zone Student Research Convention, 2013.
- UGC sponsored National conference on Image and Signal processing 2012, Dept. of Computer Science and Applications, Gandhigram Rural Institute – Deemed University, Gandhigram, February, 2012.
- UGC sponsored National conference on Image processing 2010, Dept. of computer science and Applications, Gandhigram Rural Institute – Deemed University, Gandhigram, February 2010.

Guest Lecturers and Invited Talks

- Lakshmi College of Education, Gandhigram.
- Vidya Sagar College of Arts and Science, Udumalpet.
- Fathima College, Madurai.
- Gandhigram Rural Institute – Deemed University, Gandhigram.

Conferences, Workshops and Seminars Attended:

- International Conference on Mining Intelligence and Knowledge Exploration, 18 to 20, December 2013, VHNSN College (Autonomous), Virudhunagar.
- International Conference on Mathematical Modeling & Scientific Computation, 16 to 18, March 2012, Gandhigram.
- International Conference on Logic, Information, Control & Computation, 25 to 27, February 2011, Gandhigram.
- National Conference on Sustainable Development and Management of Information Technology Centers in Indian Universities, 25 & 26, March 2010, New Delhi.
- National Workshop on Soft Computing and Mathematical Modeling conducted by Department of Mathematics, Gandhigram Rural Institute – Deemed University, Gandhigram, 15.2.2010 to 20.2.2010.
- National Conference on Image Processing conducted by Department of Computer Science and Applications, Gandhigram Rural Institute – Deemed University, Gandhigram and presented a paper, 12 & 13, February 2010.
- Attended a two day workshop on Image Processing organized by PSNA College of Engineering and Technology, Dindigul, 5 & 6, March 2009.
- Two days Hands on workshop on Open-source and IBM/WS on 8 & 9, September 2008 at Dept. of Computer Science and Applications, Gandhigram.
- Advanced Computer Course in Trouble Shooting at Microcode, Madurai.

Research Interest

- Image Compression
- Region of Interest Coding
- Progressive Image Coding
- Wavelets

Areas of Interest

- Internet Technologies
- Flash Program Development
- Image Editors