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Department of   Information Systems
Faculty of Information Technology,
Nha Trang University,
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Nha Trang City, Vietnam

EDUCATION

Institute of Information Technology, *Vietnam*
Ph.D. in Mathematics, 2006-2011

Hanoi University of Sciences anf Technology, *Vietnam*
MSc. in Information Technology, 1996-1998

Hue University of Sciences*, Vietnam*
B.A. in Applied Mathematics, 1981-1985

RESEARCH INTERESTS
- Theory of Relational Databases.
- Algorithm and Data Structure.
- Data Mining.
- Rough sets.

RESEARCH EXPERIENCE
- Some concurrency control algorithms and applications, 1998
- Development rough set theory and applications to survey quality lecturer at the University of Nha Trang, 2010.

TEACHING RESPONSIBILITY
Undergraduate

- Theory of Relational Databases.
- Distributed Databases
- Algorithm and Data Structure.
- Data Mining
- Automata and Formal Languages

PUBLICATIONS and PRESENTATIONS

Books:
1. **Nguyen Duc Thuan**, Truong Ngoc Chau. 2012. The Relational Data Model, Method Solutions Manual, The Scientific and Technical Publishing (*Vietnam*)
2. **Nguyen Duc Thuan**. 2012. Introduction to Knowlegde Discovery and Data Mining. IC Publisher (*Vietnam*)

Journals
1. **Nguyen Duc Thuan**, Nguyen Xuan Huy, A new measure to evaluate the consistency of a set of decision rules extracted from a decision table, *International Journal of Computer Electrical Engineering (IJCEE)*, 2009
2. **Nguyen Duc Thuan**, Covering Rough Sets From a Topological Point of View, *International Journal of Computer Theory and Engineering (IJCTE),* 2009
3. **Nguyen Duc Thuan**, A Family of Covering Rough Sets Based Algorithm for Reduction of Attributes, *International Journal of Computer Theory and Engineering (IJCTE),* 2010
4. Nguyen Xuan Dat, **Nguyen Duc Thuan**, An applied research based on Rough Set for discovering and improving the quality of the association rules set on the Teaching and Learning Database at Nha Trang University, *International Journal of Advanced Research in Computer Science (IJARCS), 2010*
5. Tran Vu Anh, **Nguyen Duc Thuan** et al, IMPACT: A Novel Clustering Algorithm based on Attraction, *Journal of Computers,* 2012
6. **Nguyen Duc Thuan**, Independence of Redundant Attributes in the Attribute Reduction Algorithm, *International Journal of Advanced Research in Computer Science (IJARCS),* 2012.
7. **Nguyen Duc Thuan**, Some extensions of positive and negative rules for discovering basic interesting rules, *International Journal of Intelligent Information Systems*, Vol 2, No 4, 2013
8. **Nguyen Duc Thuan**, Concurrency control in distributed environments. Illustrations on Novell Netware environment, *Collection of Scientific Research-Technology - Nha Trang University of Fisheries*, Vol IV (1995-1999)

9. **Nguyen Duc Thuan**, Genetic algorithms and evolutionary constraint handling system optimization applications, *Journal of Fisheries Science and Technology, Nha Trang University of Fisheries Vol* 3, 1999.

10. **Nguyen Duc Thuan**, Some remarks to minimal covers for functional Dependencies in relational databases, *Journal of Fisheries Science and Technology*, *Nha Trang University of Fisheries* Vol 2, 2004

11. **Nguyen Duc Thuan**, Nguyen Xuan Huy, Some new approaches for reduced attributes based on family of covering rough sets, *Journal of Science and Technology -Danang University*, 2009

12. **Nguyen Duc Thuan**, Nguyen Xuan Dat, Hybrid algorithm APRIORI-DT and experimental, *Journal of Science and Technology -Danang University*, 2010.

13. **Nguyen Duc Thuan**, Data Mining based on Rough sets, *Journal of Management Information-University of Economics Ho Chi Minh City,* 2012

Presentations

1. **Nguyen Duc Thuan**, Nguyen Xuan Huy, The upper approximates of covering rough set and closure mapping, *Scientific Conference 25th anniversary of the founding of the Institute of Mechanics & Applied Informatics Ho Chi Minh City*, 2009.