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Mapping Extensible Mark-up Language (XML) Documents into Rational DataBase Management System (RDBMS) for Condition Monitoring (CM)

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ABSTRACT

An observer will recognise that the development of the world as we know it is based on human creativity along with the power of reasoning given by the creator. This ability separates humans from animals and affects the changes which have occurred in our environment. ANN (Artificial Neural Network), being automated, is unable to function on its own, as explained later (See diagrams 7, 8 and 9.)

Perception of terms data, information, knowledge, and wisdom is at the top of the hierarchical order perfecting decision making. (See diagrams 2 and 3.)

Systems including XML and RDBMS either simultaneously or continually are observed by CMS or ADBMS for faults or leakages for replacement or adjustment in both hardware and software. Such action reduces defects in XML avoiding them when converted to RDBMS which uses complementary tables. (See diagram 1.)

Statistical data analysis is inappropriate today, as data, data set, data mining and information have recently greatly increased and been replaced by CMS to be observed continually.

Bearings are complementary but small compared to the huge role they play in the other systems completing their mission. (See diagrams 4, 5 and 6.)

CONCLUSION

From the description of the functions of the systems illustrated it can be seen that by interaction the systems enhance human lifestyle.

Diagrams (1)

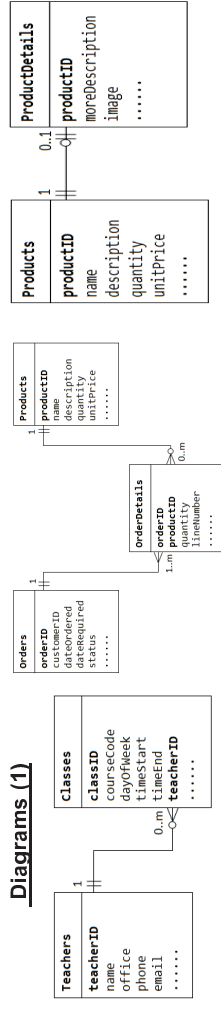


Diagram (3)

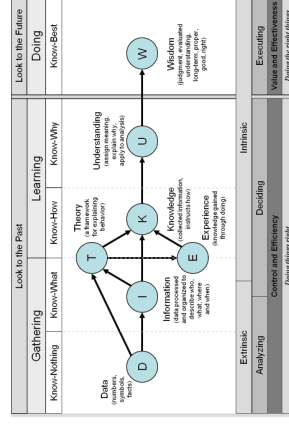
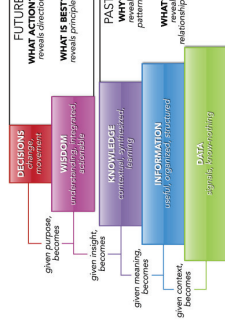


Diagram (2)



(4) Rod-End Bearings



(5) Roller Bearings



(6) Ball Bearings



(7) Child's toy pattern



(8) carpet pattern



(9) cloths pattern

