# **modeling of an ERP human resource and human resource module on a methodological basis**

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A systematic description of a module of the ERP system is current

methodology tools:

              Process description;

              Data structure;

              Information architecture;

              and possibly other architecture pages.

              The optional diagrams are technical descriptions and methods

Process description:

              BPMN

              UML activity diagram.

Structure

              Object diagram;

              Entity Connection Diagram.

architecture

TOGAF

First               Description of the ERP module with the chosen methodology.

Second               Analysis of the module's features based on the description

Third               The possibilities of comparative analysis:

the.               Other industry standard manufacturing ERP systems;

b.               Open Source Systems;

c.               Cloud-delivered ERP systems

With real business needs (micro, SME, large corporation, country, region (e.g.

EU) etc.)

Opportunities for the content of dissertation:

Develop some program then analyse it according to Design Science Research.

1. Compare various approaches of HR modules of big ERP vendors, as SAP, ORACLE, Open SOurce etc. The basis of the comparison can be data model, function model, and business process modell.
2. Investigate the country specific features, the flexibility, the adaptation capability of different systems based on the literature.
3. An extensive literature research, comparing, analyzing various aspects of HR and ERP systems, using statistics, data mining, data science, creating prediction, and comparison.

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