FINAL PROJECT

Choose a Fiction business in a specific field that produces and sales their products, then fulfill the following requirements:

Part 1 (10 points): Write an essay that includes the following:

1. Introduction of your fiction company including departments, organization chart, business processes **(1pt)**
2. Describe functions, tasks and processes of the human resources department (recruitment, timekeeping, payroll, reward, benefits, training,) of this fictional company and demo with Odoo. **(2 pts)**
3. Create any 2 products made with Make-To-Stock process (including B.O.M, material list (BOM) & supplier as well as purchase raw materials, carry out the production of these 2 products as planned, perform sales via website, POS and Sales Order (create 30-50 records) **(1.5 pts)**
4. Create any 2 products with Make-To-Order process (including B.O.M, material list (BOM) & supplier as well as raw material purchase, sales via website, POS and Sales Order, after receiving the order, proceed with production planning, buy raw materials,... (generate about 30-50 records)). **(1.5 pts)**
5. Describe CRM or SCM process of your company and demo with Odoo (**1.5 pts**)
6. Apply Power BI connecting to your fictional PostgreSQL DB company to identify three trends or insights that managers can identify to gain a competitive advantage or improve business efficiency **(1pt)**.
   (*Plus 1pts if you can use Python to demo data like either Power BI or Tableau does*)
7. Presentation of Odoo software development architecture **(0.5pts)** and demo of editing source code for a specific requirement **(0.5 pts)**
   (*Your group can get bonus (0.5 – 1 point) if you are doing well in this section*)
8. The report is required to be presented in the format of an academic report **(0.5 pts)** including: introduction, body, conclusion, references…

Part2 (10 points) Presentation and Demonstration (15 - 20 minutes/group)

1. Prepare a slide (.pptx) to present your works (3pts)
2. Conduct your presentation (3pts).
3. Demonstrate your solution implementation (2pts).
4. Q&A (2 pts).

REGULATIONS ON PRESENTATION AND SUBMISSION OF ARTICLES
- This is a group project (2-3 Students/groups). **Only one** student submits a one-time report file in pdf format
- File name [ERP]Ho_Ten_SV1_MSSV1_Ho_Ten_SV2_MSSV2.pdf (Note: Unmarked Vietnamese)
- Format: font: Times New Roman, size: 13pt, line space: 1.5, after: 0pt, before: 0pt, justify.
- Top: 0.5cm, Bottom: 0.5cm, Left: 1.0cm, Right: 0.75cm.
- Language of report: **English** and the maximum number of pages is 50 (Excluding covers, table of contents, categories, references, annexes according to the TDTU form).
- *Deadline Submission:* **26November2023**. *Presentation & Interview start from* **27November2023**
- *Each student asked to make a PowerPoint file and present his or her work. Examiner will evaluate and score each member's performance based on their contribution and work quality.*
- Any cheating or violation of University regulations regarding Ethical Academic will get 0 points.

Critera	Level 4 (80% - 100%)	Level 3 (60% - 79%)	Level 2 (30% - 59%)	Level 1 (0% - 30%)
1.Introduction your company	Describe in detail, clearly the fiction company by using professional visualization approaches.	The description is missing less than 1/3 requirements or the description has some points that are not reasonable and logical.	The description only meets less than 1/2 of the requirements	Incorrect description of most components or failure to fulfill this requirement
2.Human resource management part	Describe in detail and clearly the business process of HR dept and visualization them in good way.	The description is missing less than 1/3 requirements or the description has some points that are not reasonable and logical.	The description is missing many important components or only describes less than ½ of the requirements.	Incorrect description of most components or failure to fulfill this requirement
3.Make-To-Stock process	Describe in detail and clearly the process and successful implementation of the process steps in Odoo	The description or the implementation did not go smoothly with some steps or only completed 2/3 of the requirements	The description or the implementation did not go through most of the steps or only completed less than 1/2 of the requirements	The description or the implementation does not meet requirements or cannot be performed
4.Make-To-Order process	Describe in detail and clearly the process and successful implementation of the process steps in Odoo	The description or the implementation did not go smoothly with some steps or only completed 2/3 of the requirements	The description or the implementation did not go through most of the steps or only completed less than 1/2 of the requirements	The description or the implementation does not meet requirements or cannot be performed
5. CRM/SCM	Describe in detail and clearly the process and successful implementation of the process steps in Odoo	The description or the implementation did not go smoothly with some steps or only completed 2/3 of the requirements	The description or the implementation did not go through most of the steps or only completed less than 1/2 of the requirements	The description or the implementation does not meet requirements or cannot be performed
6.Apply Power BI tool	Successful implementation that applying Power BI into your ERP system	Can connect to Power BI but does not have a good data visualization scenario, only meets 2/3 of the requirements	The implementation has some errors or did not go smoothly with the demo script.	the implementation does not meet requirements or cannot be performed
7. Modify source code	Good script and complete demo, clear and detailed steps	The script has a few unreasonable places or only demos 2/3 of the steps of the process	The script has many unreasonable places or only demos 1/2 of the steps of the process	Bad script or impossible demo
8.Report	Present reports fully, clearly, and in accordance with regulations	The report is complete and clear, but there are some formatting and spelling errors or some areas that do not comply with regulations	Reported many errors, incorrect formatting, and incomplete layout	The report is poorly presented, has not invested in presentation format, and has an unreasonable layout or the report is not submitted.

Figure 1 Assessment Rubrik for Part 1

Critera	Level 4 (80% - 100%)	Level 3 (60% - 79%)	Level 2 (30% - 59%)	Level 1 (0% - 30%)
1.Preprare slide	Presentation slide is clear, complete, intuitive and vivid. Use appropriate illustrations, do not use too much text, and have a balanced layout	Use appropriate illustrations, do not use too much text, and have a balanced layout but The slide has some spelling and formatting errors.	The slide is full of information but does not use images, the keywork is well visualized, there are errors in spelling, presentation, and text size is small to view.	The slide is sketchy, does not meet basic layout and visualization requirements, or the slide is not prepared
2.Conduct the presentation	Presentation on time, complete, attractive presentation, good script, good group coordination	The presentation is clear and attractive, but it's too time-consuming, or some parts are still readable or don't follow the script well	Presentation is not fluent, script is not reasonable, presentation skills are not good or time is not guaranteed	The presentation was not good, had many errors, no script, and no time control
3.Demonstration	Describe in detail and clearly the process and successful implementation of the process steps in Odoo	The description or the implementation did not go smoothly with some steps or only completed 2/3 of the requirements	The description or the implementation did not go through most of the steps or only completed less than 1/2 of the requirements	The description or the implementation does not meet requirements or cannot be performed
4.Q&A	Answer all questions, demonstrate understanding of the problem being researched and implemented	Answered less than 2/3 of the questions or the answers were not completely reasonable	Can answer less than 1/2 of the questions or do not completely understand the requirement	Answers very little or answers unsatisfactorily, does not understand your work

Figure 2 Assessment Rubrik for Part 2