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Navrachana UniversityEnd-Semester Examination
TYBCA (Sem-V) [Autumn, 2017-18]
IT309: Introduction to ERPDate: 22-Nov-2017, Wednesday
Time: 15:30 to 17:30Total Marks: 40
Weightage: 40%**Que. 1. Attempt any two****[10]**

- A. What is big-bang strategy of ERP implantation? Which are its different variants? What are the advantages and disadvantages of Big-bang over other strategies?
- B. List and explain different costs involved in ERP implementation.
- C. Explain ERP maintenance phases in brief.

Que. 2. Attempt any one**[10]**

- A. Which are different phases of BPR? Explain each in brief.
- B. Explain various ERP implementation challenges in brief.

Que. 3. Do as directed.**[20]****MIE's ERP Implementation**

Mesfine Industrial Engineering (MIE) was founded in 1992 and is a vast unrivalled metal construction and electromechanical engineering complex in Ethiopia. MIE used over 5 systems before the ERP project was started, many of which were developed by local vendors and internally by MIE over the last decade. These legacy systems were expensive to operate and difficult to maintain and develop. They did not provide accurate, consistent and accessible data that was required for good and timely decision-making and performance assessment (e.g. delivery performance, quality metrics). These ageing systems often did not lend themselves fully to a modern manufacturing environment. The last major manufacturing system to be developed and implemented by MIE was MERLIN, which stands for mechanized evaluation of resources, logistics and inventory, the system was basically a scheduling system, and, although it was capable, it was prone to manual manipulation. One particular down fall of the system was the lack of communication between individual sites. Work in progress was often transferred between sites and could not be tracked accurately; often causing inventory and stock take problems. An additional system named corporate cost accounting (CCA) was used to financially monitor transactions, which covered pipeline inventory and intersite transport. MIE also had a range of individual systems for controlling and monitoring commercial, financial and procurement functions, these systems had problems interfacing with each other, as they had different databases and file formats. The legacy systems did not allow MIE to establish direct, on-line communication with customers, partners and suppliers. In fact, these systems did not support significant growth of the business and were not sufficiently agile to keep pace with the changing business environment. At this point MIE recognized that the adoption of ERP system was the most significant factor that could enable the company to overcome the challenges and led to business success.

Being hire as consultant for this ERP implementation do the following

1. What criteria you will keep for pre-evaluation screening of package & ERP package selection?
2. Which ERP transition strategy would you recommend? Why?
3. Help MIE to make ERP Project team along with organizational structure of ERP Project team.
4. Which deployment method would be suitable for MIE? Why?
5. Prepare plan for Training and Education or users.

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