

**Indian Institute of Information Technology, Sri City Chittoor**  
**Web Services and Backend Development – Lab Examination**

Duration: **1 Hr and 15 Mins**

Date: **26-04-2023**

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Design a Hospital portal with the following features:

1. A doctor can register with the portal and see all the details of a patient who was/were allocated to him/her
2. A patient can visit a page and book appointment by selecting a doctor.(upload his/her medical history along with other details (e.g., name, age, and address).
3. A patient can pay the fees for his/her treatment
4. A nurse can have limited access to the patient data with whom she was associated
5. There must be an admin, who will have access of the entire system and data

When you are designing the portal, you must use the following:

1. Back-end Service (5 Marks)
2. Middleware: You must use at least two. (5 Marks)
3. Database/Object Relational Mapping (ORM): You must use at least one. (5 Marks)
4. The overall design, implementation, and smooth execution of the portal. (5 Marks)