**Indira College Of Engineering and**

**Management, Pune**

**Department of MCA**

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MODULE 1: Introduction to Business Intelligence and Power BI

Task 2

Healthcare Patient Monitoring System: Create a BI solution for hospitals using Power BI Desktop and Service to track patient admissions, treatment outcomes, and doctor performance.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Patient\_ID** | **Name** | **Age** | **Gender** | **Heart\_Rate (bpm)** | **Blood\_Pressure (mmHg)** | **Oxygen\_Level (%)** | **Temperature (°C)** | **Diagnosis** | **Admit\_Date** | **Discharge\_Date** | **Doctor\_Name** | **Treatment\_Outcome** |
| 1 | John Doe | 45 | Male | 78 | 120/80 | 98 | 36.7 | Hypertension | 2025-02-01 | 2025-02-10 | Dr. A. Mehta | Recovered |
| 2 | Jane Smith | 52 | Female | 85 | 130/85 | 97 | 37 | Diabetes | 2025-02-03 | 2025-02-12 | Dr. B. Sharma | Improved |
| 3 | Rahul Sharma | 60 | Male | 82 | 140/90 | 96 | 36.8 | Heart Disease | 2025-02-04 | 2025-02-15 | Dr. C. Iyer | Under Observation |
| 4 | Priya Kapoor | 30 | Female | 72 | 115/75 | 99 | 36.5 | Healthy | 2025-02-05 | 2025-02-07 | Dr. D. Nair | Recovered |
| 5 | Michael Brown | 70 | Male | 88 | 150/95 | 94 | 37.3 | Hypertension | 2025-02-06 | 2025-02-17 | Dr. E. Gupta | Stable |
| 6 | Sofia Loren | 65 | Female | 80 | 145/88 | 95 | 36.9 | Diabetes | 2025-02-07 | 2025-02-16 | Dr. F. Khan | Improved |
| 7 | David Lee | 55 | Male | 77 | 125/82 | 96 | 36.6 | Hypertension | 2025-02-08 | 2025-02-14 | Dr. G. Patel | Recovered |
| 8 | Aisha Khan | 40 | Female | 75 | 118/78 | 98 | 36.7 | Healthy | 2025-02-09 | 2025-02-12 | Dr. H. Reddy | Recovered |
| 9 | Li Wei | 50 | Male | 84 | 135/85 | 97 | 37 | Heart Disease | 2025-02-10 | 2025-02-19 | Dr. I. Verma | Under Observation |
| 10 | Carlos Gomez | 47 | Male | 76 | 128/80 | 98 | 36.7 | Diabetes | 2025-02-11 | 2025-02-18 | Dr. J. Das | Improved |
| 11 | Mary Johnson | 62 | Female | 81 | 132/84 | 97 | 36.8 | Hypertension | 2025-02-12 | 2025-02-22 | Dr. K. Rao | Recovered |
| 12 | Arjun Reddy | 35 | Male | 73 | 118/76 | 99 | 36.5 | Healthy | 2025-02-13 | 2025-02-16 | Dr. L. Singh | Recovered |
| 13 | Emily Davis | 48 | Female | 79 | 122/79 | 98 | 36.6 | Diabetes | 2025-02-14 | 2025-02-21 | Dr. M. Roy | Improved |
| 14 | Peter Parker | 29 | Male | 70 | 110/70 | 99 | 36.4 | Healthy | 2025-02-15 | 2025-02-17 | Dr. N. Kapoor | Recovered |
| 15 | Fatima Begum | 53 | Female | 85 | 138/86 | 96 | 37 | Hypertension | 2025-02-16 | 2025-02-25 | Dr. O. Malhotra | Stable |
| 16 | John Cena | 44 | Male | 78 | 124/78 | 98 | 36.7 | Healthy | 2025-02-17 | 2025-02-20 | Dr. P. Pillai | Recovered |
| 17 | Ritu Sharma | 39 | Female | 74 | 116/74 | 99 | 36.5 | Healthy | 2025-02-18 | 2025-02-21 | Dr. Q. Saxena | Recovered |
| 18 | Thomas Shelby | 55 | Male | 82 | 130/83 | 97 | 36.8 | Hypertension | 2025-02-19 | 2025-02-27 | Dr. R. Banerjee | Stable |
| 19 | Lisa Kim | 31 | Female | 71 | 112/72 | 99 | 36.4 | Healthy | 2025-02-20 | 2025-02-23 | Dr. S. Mukherjee | Recovered |
| 20 | Rajesh Gupta | 63 | Male | 79 | 134/84 | 96 | 36.7 | Diabetes | 2025-02-21 | 2025-03-01 | Dr. T. Joshi | Improved |
| 21 | Jessica Lee | 42 | Female | 76 | 120/78 | 98 | 36.6 | Healthy | 2025-02-22 | 2025-02-25 | Dr. U. Agarwal | Recovered |
| 22 | Mohammed Ali | 68 | Male | 85 | 140/90 | 95 | 37.1 | Hypertension | 2025-02-23 | 2025-03-02 | Dr. V. Bhatia | Under Observation |
| 23 | Amara Patel | 34 | Female | 73 | 118/76 | 99 | 36.5 | Healthy | 2025-02-24 | 2025-02-27 | Dr. W. Chatterjee | Recovered |
| 24 | Chris Evans | 49 | Male | 78 | 125/80 | 98 | 36.7 | Diabetes | 2025-02-25 | 2025-03-03 | Dr. X. Narang | Improved |
| 25 | Radhika Iyer | 58 | Female | 80 | 128/82 | 97 | 36.8 | Hypertension | 2025-02-26 | 2025-03-05 | Dr. Y. Sen | Stable |
| 26 | Sunil Narang | 46 | Male | 77 | 122/78 | 98 | 36.6 | Healthy | 2025-02-27 | 2025-03-01 | Dr. Z. Dutta | Recovered |
| 27 | Clara Oswald | 37 | Female | 74 | 115/75 | 99 | 36.5 | Healthy | 2025-02-28 | 2025-03-02 | Dr. A1. Menon | Recovered |
| 28 | Harry Potter | 33 | Male | 72 | 114/74 | 99 | 36.5 | Healthy | 2025-03-01 | 2025-03-04 | Dr. B1. Bajaj | Recovered |
| 29 | Deepika Sharma | 41 | Female | 76 | 120/79 | 98 | 36.7 | Healthy | 2025-03-02 | 2025-03-05 | Dr. C1. Fernandes | Recovered |
| 30 | Amir Khan | 64 | Male | 84 | 136/85 | 96 | 37 | Hypertension | 2025-03-03 | 2025-03-10 | Dr. D1. Desai | Stable |

