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| **Practical Plan** |
| **Class: BE (Honors)** | **Weekly Schedule:** |
| **Course name/code:** AI&ML in Healthcare/ HAIMLSBL701 | **Batch A:** Monday 8.45 to 10.45 and 11.00 to 1.00 Prajakta D. |
| **Academic Year: 2022-23** | **Batch B:** Saturday 8.45 to 10.45 and 11.00 to 1.00 Parshvi Shah |
| **Name of the teacher: Prajakta D. and Parshvi Shah** |  |
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| **Course Outcomes:** |
| **HAIMLSBL701.1** Demonstrate proficiency in performing exploratory data analysis (EDA) techniques on healthcare datasets |
| **HAIMLSBL701.2** Develop NLP applications for Healthcare using various NLP techniques. |
| **HAIMLSBL701.3** Analyse medical reviews from social media data. |
| **HAIMLSBL701.4** Build Healthcare application using advanced AI & ML algorithms. |
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| **Sr. No** | **Title of experiment** | **Course Outcomes**  | **Batch** | **Planned date** | **Actual date** | **Remark** |
| 1 | Collecting, Cleaning, Integrating, and Transforming Healthcare Data for a Specific Disease: |  HAIMLSBL701.1 | A  |  24/7/2023 |  |  For Batch B, 29/7 holiday, Muharram |
|  B |  5/8/2023 |  |
| 2 | Perform Exploratory Data Analysis of Healthcare Data |  HAIMLSBL701.1 | A  |  1/8/2023 |  |  |
|  B |  12/8/2023 |  |
| 3 | Perform Exploratory Data Analysis of X ray or MRI image Dataset |  HAIMLSBL701.1 | A  |  7/8/2023 |  | . |
|  B |  19/8/2023 |  |
| 4 | Perform Medical Prognosis |  HAIMLSBL701.1 | A  |  14/8/2023 |  | . |
|  B |  26/08/2023 |  |
| 5 | Applying data cleaning and pre-processing on medical reports dataset. |  HAIMLSBL701.2 | A  |  21/8/2023 |  |   |
|  B |  02/09/2023 |  |
| 6 |  Implement Named Entity Recognition (NER) techniques to extract medical entities (e.g., diseases, medications) from pre-processed text. |  HAIMLSBL701.2 | A  |  4/9/2023 |  |  28/8/2023 UT1 |
|  B |  9/9/2023 |  |
| 7 |  Text pre-processing of Social Media Data |  HAIMLSBL701.3 | A  |  11/9/2023 |  |   |
|  B |  16/9/2023 |  |
| 8 |  Medical review analysis of social media data. |   | A  |  18/9/2023 |  |   |
|  B |  30/9/2023 |  |
| 9 | Mini Project (Design and implement innovative web/mobile based AI Application to solve problem in Healthcare)  |  HAIMLSBL701.4 | A  |  25/9/2023  |  |   |
|  B |  07/10/2023 |  |
| 10 |  Documentation and Presentation of Mini Project |  HAIMLSBL701.4 | A  |  02/10/2023 and 16//10/2023 |  |   |
|  B |  14/10/2023 |  |