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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 |  |