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## DEPARTMENT OF COMPUTER SCIENCE

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### Collaborative Research Details for Published Patent

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#### **Individual Roles of Authors:**

1. **Vikas Kamra**: Introducing the research idea, identifying problem statement, brief literature survey, finalization of research objectives, proofreading the patent draft, preparation of different forms required for filing patent, filing patent on Indian Patent Website i.e. <https://ipindia.gov.in/index.htm>
2. **Nandita Yadav**: Detailed literature survey, preparing rough draft of the patent, finalizing problem statement, identifying required solution for the identified problem statement, finalization of research objectives, proofreading the final patent draft.
3. **Kshiteesh Kumar**: Detailed literature survey, preparing the drawings of the filed patent, identifying number of claims required in the patent, proposing research methodology required to solve the research problem.
4. **Kumari Bhavya Chaubey**: Detailed literature survey, finalizing objects required in the invention, web-crawling to identify dataset required for the proposed research work, writing abstract of the filed patent, explaining advantages of the invention.
5. **Monika Kamra**: Proofreading the final patent draft, comparative analysis of the different models related to the proposed research domain, empirical evaluation of the results given in different research papers during literature survey phase, pre-processing the available dataset for final model implementation, finalization of forms required for filing the patent.



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