**CANDIDATE’S DECLARATION**

I/We hereby certify that the project work entitled **“Disease Diagnosis System”** in partial fulfilment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE AND ENGINEERING with specialization in CLOUD COMPUTING & VIRTUALIZATION TECHNOLOGY and submitted to the Department of Computer Science & Engineering at Center for Information Technology, University of Petroleum & Energy Studies, Dehradun, is an authentic record of our work carried out during a period from **August**, **2018** to **November**, **2018** under the supervision of **Ms. Anushree Sah, Assistant Professor, SoCSE, UPES**.

The matter presented in this project has not been submitted by us for the award of any other degree of this or any other University.

**(Abhishek Raj, Akshay Verma, Anugya Sharma, Ekansh Verma)**

**R110215007, R110215015, R110215026, R110215047**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date: November 15, 2018 **Ms. Anushree Sah**

**Dr. Amit Agarwal**

Head of the Department

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**ACKNOWLEDGEMENT**

We wish to express our deep gratitude to our guide **Ms. Anushree Sah**, for all advice, encouragement and constant support he has given us throughout our project work. This work would not have been possible without her support and valuable suggestions.

We sincerely thank our respected Program Head of the Department, **Dr. Amit Agarwal**, for his great support in doing our project in **Area (like Data Mining, Big data etc.)** at **SoCSE**.

We are also grateful to **Dr. Manish Prateek, Associate Dean** and **Dr. Kamal Bansal** Dean SoCSE, UPES for giving us the necessary facilities to carry out our project work successfully.

We would like to thank all our **friends** for their help and constructive criticism during our project work. Finally, we have no words to express our sincere gratitude to our **parents** who have shown us this world and for every support, they have given us.

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**ABSTRACT**

Detecting diseases at an early stage can enable to overcome and treat them appropriately. Identifying the treatment accurately depends on the method that is used in diagnosing the diseases. A Disease Diagnosis and Treatment Recommendation System (DDTRS) can help a great deal in identifying those diseases and describing methods of treatment to be carried out considering the user capability to deal and interact with expert system easily and clearly. The present expert system uses inference rules and plays an important role that will provide certain methods of diagnosis for treatment. Disease diagnosis / Medical diagnoses are the process of determining which disease or condition explains a person’s symptoms and signs. The information required for diagnosis is typically collected from a case history and physical examination of the person seeking medical care. Diagnosis is often challenging because many signs and symptoms are non-specific. The term Diagnosis refers to the determination of the nature of a cause of a disease. In computer science, it is a typically used to determine the cause of symptoms and solutions. Our system enables to deliver health care, diagnose patients, provide therapy, suggest medicines and gives health tips related to users’ disease. The main aim is to provide expert-based health care to understaffed remote sites and to provide advanced emergency to the user that is using the application.

*Keywords: DDTRS, diagnosis, symptoms, medicines, expert systems.*