**A PROJECT REPORT**

**ON**

**BASIC IMPLEMENTATION OF SMARTGRID USING BLOCKCHAIN**

SUBMITTED TO ATHENS INFORMATION TECHNOLOGY, GREECE

IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR

THE AWARD OF THE 45 DAYS SUMMER TRAINING PROGRAM

(VISHWANIKETAN UG-FELLOWSHIP)

BY

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**List of Abbreviations**

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| **Abbreviation** | **Details** |
| **IDE** | Integrated Development Environment |
| **GUI** | Graphical User Interface |

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**Abstract**

The project aimed to simulate a basic SmartGrid using BlockChain technology. Various entities such as Producer, Provider and Consumer have been represented using structures in Solidity. The energy transactions and the transfer of funds are recorded on the BlockChain.

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