

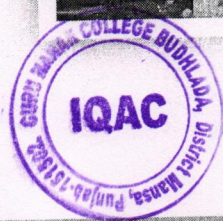
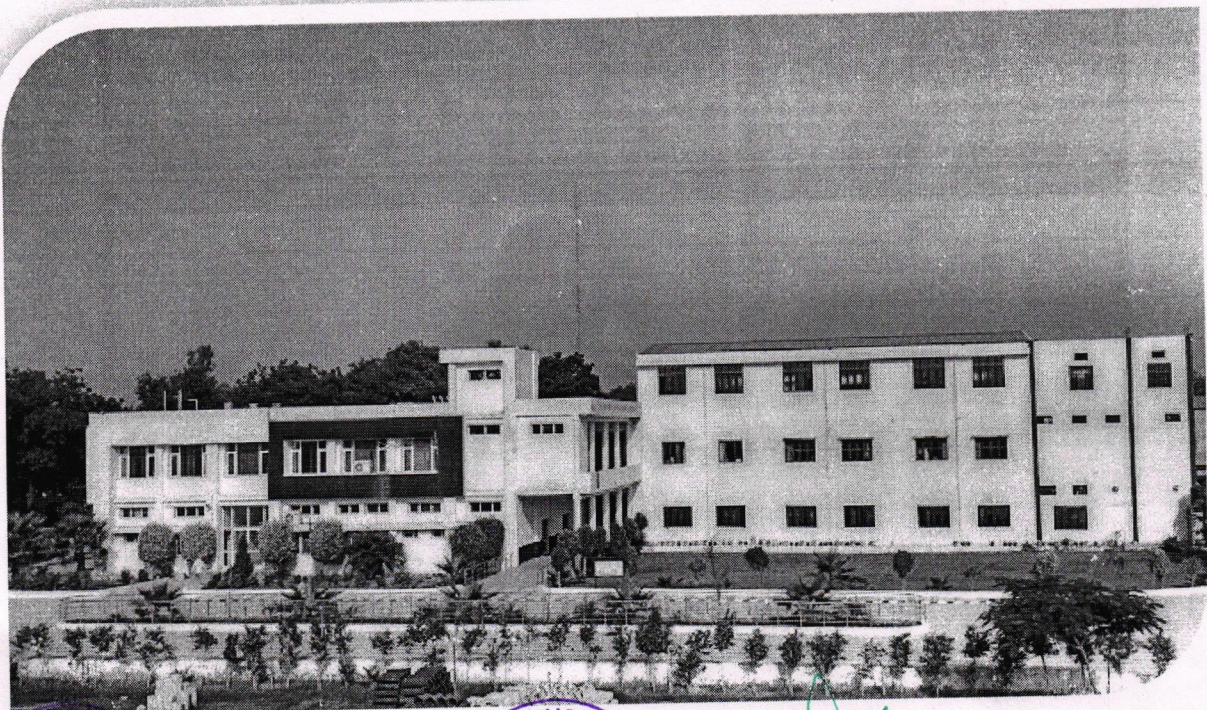
# Guru Nanak College, Budhlada

NAAC Accredited 'A' Grade, Star College Status by DBT Govt. of India &  
Skill Hub Institute selected by NSDC, Govt. of India  
Under the management of S.G.P.C. Sri Amritsar Sahib  
Affiliated with Punjabi University, Patiala & Approved by AICTE

## ENERGY AUDIT REPORT 2021-22

PRINCIPAL

DR. KULDIP SINGH BAL

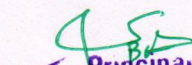


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# INDEX

| Sr. No. | Content  | Page No. |
|---------|--|----------|
| 1       | Introduction   | 4        |
| 2.      | Need for an Energy Audit                               | 4        |
| 3.      | Aims and Objectives of an Energy Audit                 | 5        |
| 4.      | Benefits of an Energy Audit                            | 6        |
| 5.      | Energy Audit Methodology                               | 7        |
| 6.      | About the college                                      | 8        |
| 7.      | Overview of Administrative & other block               | 10       |
| 8.      | Detailed analysis                                      | 12       |
| 9       | Energy conservation practices and resources management | 14       |
| 10.     | Summary  | 14       |
| 11.     | Conclusion   | 14       |
| 12.     | Recommendations  | 15       |
|         |  |          |
|         |  |          |
|         |  |          |


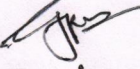
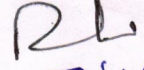



  
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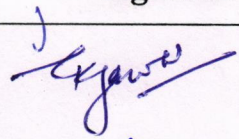
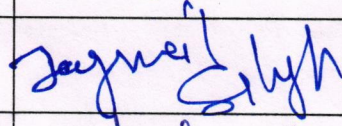
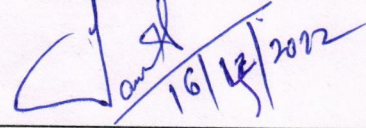
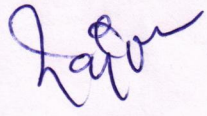

## Energy Audit Team

We, the external Energy Audit Committee members carried out the Energy Audit of Guru Nanak College Budhlada- 151502 (Mansa) Punjab, assessed the energy consumption and energy conservation practices conducted in the Campus and supporting documents presented by the internal committee were examined and certified.

## Internal Committee

1. Dr. Narinder Singh, Coordinator IQAC 
2. Dr. Gurjasjeet Kaur Assist. Prof. Department of English 
3. Dr. Rishi Kumar Assist. Prof. Department of Physics 
4. Dr. Hardeep Singh Assist. Prof. Department of Physics 

## External Committee

| Sr. No. | Name and Designation  | Signature   |
|---------|---|---|
| 1.      | Dr Gulshan Kumar Jawa<br>Associate prof. Department of Chemical Engineering<br>& Technology SLIET Longowal (Punjab) |  |
| 2.      | Sh. Jagmail Singh<br>Rtd. S.D.O. PSPCL Budhlada (Punjab)  |   |
| 3.      | Dr. Jaspal Singh,<br>Department of Sciences, Mata Sundari University<br>Girls College, Mansa (Punjab)               |   |
| 4.      | Dr. Rajpal Singh,<br>Department of Physics, Government Rajindra<br>College, Bathinda (Punjab)                       |  |
| 5.      | Dr. Prabhjot Singh,<br>Department of Physics, Government Rajindra,<br>College Bathinda (Punjab)                     |  |



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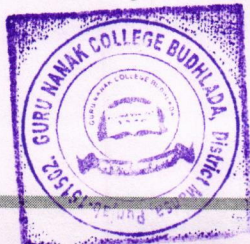
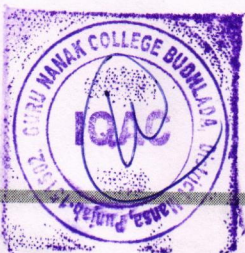


  
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## 1. Introduction

An energy audit is a survey in which the study of energy flows for the purpose of conservation is examined at an Organization. It refers to a technique or system that seeks to reduce the amount of energy used in the Organization without impacting the output. The audit includes suggestions of alternative means and methods for achieving energy savings to a greater extent. In general, the primary objective of an energy auditing and management of energy consumption is to offer goods or services at the lowest possible cost and with the least amount of environmental impact. The need for an energy audit is to identify the savings potential and cost reducing methods, understand the ways in which energy is used, where, the waste occurs and find the scope for improvement.

An energy audit is proposed and conducted to ensure that energy saving practices are implemented and followed in Educational Institutions and Industrial sectors in a sustainable way. Preparation and completion of a questionnaire, physical examination of the campus, observation and examination of documentation, key person interviews, data analysis, measurements and suggestions are all part of the audit process. Energy audit involves several facts including energy savings potential, energy management, finding alternatives, etc. With these facts in mind, the audit's specific objectives are to assess the competence of the



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