# TEMPLATE FOR
# STUDENT LEARNING ASSESSMENT MODELS - PROJECTS / PRODUCTS REPORT PREPARATION

**Sample Page 1**

# THE TITLE OF THE REPORT ON THE COVER PAGE SHALL LOOK LIKE THIS LINE

*(The title is in Times New Roman Font with 16-point size, bold, one and a half line spacing)*

***Name of the student***
***Roll Number***
*(Candidate's name in Times New Roman Font, 14-point size in Bold Italics)*

**Sample Page 2**

# THE TITLE OF THE REPORT ON THE SECOND PAGE SHOULD LOOK LIKE THIS

*(Times New Roman, 16-point size, Bold and Centered)*

**STUDENT LEARNING ASSESSMENT MODELS - PROJECTS / PRODUCTS**

*(4 lines gap) (Times New Roman, 12-point size, Bold, Italics and Centered)*

*(1 line gap)*

**Bachelor of Technology**

**in**

**Computer Science and Engineering**

*(no gap) (Times New Roman, 14-point size, Bold, (Centered)*

***by***

*(1 line gap) (Times New Roman, 12-point size, Italic, (Centered)*

**Name of the student**

**Roll Number**

*(1 line gap) (Times New Roman, 14-point size, Bold, (Centered)*


*(1 line gap) (Image size: 3.11 cm x 2.89 cm, colour, Centered)*

**Department of Computer Science and Engineering**

*(1 line gap) (Times New Roman, 14-point size, Bold, Centered)*

## INSTITUTE OF AERONAUTICAL ENGINEERING

*(no gap) (Ariel, 18-point size, Bold, Centered)*

**(Autonomous)**

*(no gap) (Times New Roman, 14-point size, Bold, Centered)*

**Dundigal, Hyderabad – 500 043, Telangana**

*(1 line gap) (Times New Roman, 14-point size, Bold, Centered)*

**March, 2026**

*(1 line gap) (Times New Roman, 14-point size, Bold, Centered)*

**Sample Page 3**

# DECLARATION

*(Times New Roman, 14-point size, Bold, Centered)*

I certify that

a. The work contained in this report is original and has been done by me under the guidance of my supervisor (s).

b. The work has not been submitted to any other Institute for any degree or diploma.

c. I have followed the guidelines provided by the Institute for preparing the report.

d. I have conformed to the norms and guidelines given in the Code of Conduct of the Institute.

e. Whenever I have used materials (data, theoretical analysis, figures, and text) from other sources, I have given due credit to them by citing them in the text of the report and giving their details in the references. Further, I have taken permission from the copyright owners of the sources, whenever necessary.

**Place:** **Signature of the Student**

**Date:** **Roll Number.**

**Sample Page 4**

# APPROVAL SHEET

*(Times New Roman, 14 Bold, Regular)*

This Student Learning Assessment Models - Projects / Products entitled **(Title)** by **(Name of the student)** is approved in **Branch (12 Regular).**

**Supervisor** **Head of the Department**

**Date:**

**Place:**

**Sample Page 5**


## ABSTRACT

Ever since its introduction in the second decade of the past century, the economic order quantity (EOQ) model has been the subject of extensive investigations and extensions by academicians. Although the EOQ formula has been widely used and accepted by many industries, some practitioners have questioned its practical application. Accounting for holding and order/set-up costs, as has traditionally been the case for the economic order quantity, can distort the scenario. There are hidden costs not accounted for when modelling inventory systems. This paper postulates that some of these costs, which we refer to as the entropy costs, may be estimated using the principles of thermodynamics. Firstly, a new mathematical model is developed and considered as an enhancement to the EOQ model. Secondly, the developed model is investigated in a two-level (supplier– retailer) supply chain coordination context. Numerical examples are presented and results discussed……..

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**Keywords:** Economic order quantity; Thermodynamics; Entropy cost; Price dependent demand; Constant commodity flow; Supply chain coordination.

**Sample Page 6**

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**Sample Page 7**

## Next 8 to 10 Pages SLAM - Projects / Products Report Brief Write up