



GUIDELINES FOR FIELD PROJECT / INTERNSHIP REPORT PREPARATION



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)

T. Hareshwar Rao Roll No.

(Candidate's name in Times New Roman Font, 14-point size in Bold Italics)

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

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

A FIELD PROJECT (For II Semester students) / INTERNSHIP REPORT (IV Semester students)

(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)

T. Hareswar Rao 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 Mechanical Engineering

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INSTITUTE OF AERONAUTICAL ENGINEERING

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(Autonomous)

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

Dundigal, Hyderabad – 500 043, Telangana

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September, 2023

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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 theInstitute.
- 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 No.	

CERTIFICATE

(Times New Roman, 14 Bold, Regular)

NSIC / Relevant Certificate

Note:

Attach color certificate copy

APPROVAL SHEET

(Times New Roman, 14 Bold, Regular)

This FIELD PROJECT (For II Semester students) / INTERNSHIP REPORT (IV Semester students) entitled (Title) by (Name of the student) is approved for the award of the Degree Bachelor of Technology in Branch (12 Regular).

Supervisor	Head of the Department
Date:	
Place:	

ABSTRACT

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

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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Chapter 2	Relevant data of Field Project / Internship	
Appendix-I	Photos / Screen Shots Attachment	

Next 8 to 10 Pages Field Project / Internship Report Brief Write up

One or two Photos or Screen shots of Virtual Training.