

National Textile University

MS ----- Engineering



RESEARCH SYNOPSIS

Title of the Project

Name
Registration Number

Supervisor

Dr. xyz

Co-Supervisor (s)

Date of Submission: 20-09-2015

Synopsis Defense Request Form

Name: _____ Registration No.: _____
Cell: _____ Email address: _____
Department/Faculty: _____ Program: _____
Tentative Title of Synopsis: _____

Name of Supervisor(s): 1) _____
Name of Co-Supervisor(s): 1) _____ 2) _____
Attempt No.: _____ Previous FRB-FET Decision (if any): _____
Previous Comments by FRB-FET (if any): _____

Certificate by the Supervisor

It is certified that the student has finalized synopsis under my supervision as per standard format and guidelines. The Tunritin® similarity index (plagiarism) of the synopsis is below 20%. The student has finalized PPT presentation under my supervision and given multiple rehearsal presentations in my presence.

Other comment: _____

Enclosed documents:

1. 10 Hard copies of synopsis
2. Tunritin® similarity index report

Student's Signature: _____ Supervisor's Signature: _____
Co-Supervisor' Signature: _____ Date of Submission: _____

This Section to be filled by Director Graduate Program FET

Date of Receipt of Synopsis: _____ Expected Date of Presentation: _____
Remarks: _____

Signature of Director Graduate Program FET: _____

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1. Introduction

1.1. Background

Background should include the following:

- A brief introduction to the subject area on which the research is intended
- A brief introduction to the research problem
- Significance of the research problem

1.2. Literature Review

Literature review should address the following questions:

- Who are the significant researchers in your intended area of research? What they have already done? How did they do it? What were their materials and methods? What were their findings? What is already known and well-established?
- What are the gaps in the previous research that you would like to fill?

1.3. Research Gap

1.4. Specific Objectives and Scope of the Project

Give specific objectives and scope of the research project

2. Experimental

2.1. Materials

- Tentative list and specifications of the materials (fibres, yarns, fabrics, etc.) required for the research project

2.2. Equipment

- Tentative list of production/processing/application equipment/apparatus
- Tentative list of testing equipment

2.3. Methods

- Proposed research design (number of planned experiments, input variables, output variables, noise variables etc.)
- Production/application/processing methods to be used
- Testing methods to be used & availability of the required testing equipment
- Data collection, presentation and analysis plan

2.4. Timeline of the project

The tentative time line of the project should be given as gant chart.

2.5. Proposed Budget

The estimated cost of the project should also be mentioned. Add quotations if the required purchase for one item is more than 25000.

List of expendable required for proposed Work

Sr. No.	Item	Quantity	Approx. Cost
1			
2			
3			
4			
5			
Total:			

3. References

Include list of references mentioned in all the previous sections.

Strictly follow IEEE style of referencing, which is available online.

4. Instructions for Authors

The synopsis should be on 8 ½ by 11 in. paper, using portrait orientation. Paragraphs should be block style (no indents) and 1.5 spaced, using justified paragraph alignment. Do NOT start new sections on a new page if space is available on the previous page. Double space between paragraphs, before headings. Leave 1” margins on all four sides of the paper. Number your paper (including the 1st page) on the bottom center footer section of each page. The preferred font for the main text is Times or Times New Roman, 11 point size. The title of your synopsis should be centered on page 1 of the paper. Please type in 18 point font size. The preferred font style is Calibri. Headings should be typed in bold capital letters font size 12 and aligned flush with the left-hand margin of the column. Subheadings should be underlined, typed with the initial letter of each word capitalized, and placed flush with the left-hand margin of the column.