Guidelines for preparation of the term-paper for
SOFT-COMPUTING TOOLS IN ENGINEERING COURSE

1.	**Paper Size**	A4
2.	**Margins**	Left, top, bottom and right 1" (2.5cm/25mm)
3.	**Spacing**	Single line spacing

4.	**Font**	Arial
		14 for the Title (Bold Title case)
		12 for the student's Name (Bold)
		11 for the department
		10 for Abstract heading (Bold Title case)
		10 for the caption of Figures and Tables
		10 for the text and headings:
		      Main: Bold Title case
		      Subheadings : Italics Title case
		      Lower level headings : Italics with first letter cap
		10 for the footnote

5.	**Title Page**	Leave 5 lines blank from the top margin
	Title	Title case, bold and centered Make sure the title is not more than 70 characters in length, including spaces between words
	Name of the Student	Leave one line blank between the title of the paper and the student's name. Leave two lines blank between the student/roll number/department and abstract. Student's name and other details should be centered Leave one line blank after the above details Please follow the specimen term-paper strictly.
	Abstract	Abstract should be between 100 and 120 words. After abstract leave one line blank.
6.	**Headings and Text**	Left justified bold No numbering of main and subheadings Leave one line blank before and after heading Each paragraph should be separated by one blank line without any indentation. All text should be left and right justified typed in single column on one side of paper. Emphasized text (if any) should be written in italics. No underlines or footnotes (except in the first page).
7.	**Equations**	Typed and numbered in sequence Use equation editor Equation number in brackets right justified
8.	**Figures and Tables**	Centered and numbered in sequence The caption of the Table should be placed above and centered. The caption of the Figure should be placed below and centered. Leave one line blank before and after Table/Figure The first letter of the caption should be in capitals. Figures and Tables can be prepared using any Graphics software. Alternatively, Figures may be drawn using Indian Ink on tracing paper, arranged at appropriate places in the text in the hard copy.

9.	**References**	Each reference should be cited in the text by the last name(s) of the author(s) and the year of publication of the reference.
		All references should be listed at the end of the text in alphabetical order, according to the last name of the first named author.
		Reference should include year of publication, full title, name of source, volume and page numbers.
		Details regarding font and punctuation should be according to the enclosed specimen copy of the paper.
10.	**Page numbers**	Page numbers should be typed
11.	**Maximum length**	Maximum 4-8 pages.
12.	**Forwarding**	Soft copy of PDF to be sent in one file as attachment by Email
		Email: **skbarai@rediffmail.com**
13.	**Important**	The completed manuscript must be carefully checked so that there are no spelling or grammatical mistakes and the student should strictly follow the guidelines to maintain consistency and uniformity.

Term Paper Submission for
SCTIE Course

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Abstract

This document provides guidelines on the content and format of full length term paper

Problem Definition

Term paper should outline the main features, results, conclusions and general significance of the research presented and should contain relevant references   The basic structure of term is as follows:

Abstract
Problem definition
Details about the actual problem
Details about soft-computing tool employed for engineering problem
Results and discussion
Summary

Important Points

Arial typeface should be used throughout with font selection specified in Table 1.

Table 1. The fonts requirements at a glance

Topic	Font Size
Title	14 Bold Title case
Student's Name	12 Bold
Address	11
Abstract heading	10 Bold Title case
Text of abstract	10
Headings	10 Bold Title case
Text of references	10

Some Typical Examples

Paper referencing

Some of the citation examples are: a two-part paper (Frater and Packer, 1992a, 1992b), a University report (Duan et al., 1990). Recently, many refer internet resources and they can be referred by the students (ASCE, 2001)

Equation representation

Typical Eq. 1 can be given as

$$CollapsePotential = \frac{\Delta e}{1 + e_0} x100\%$$

(1)

Figure preparation

Typical Fig. 1 can be prepared and embedded in the text as follows.
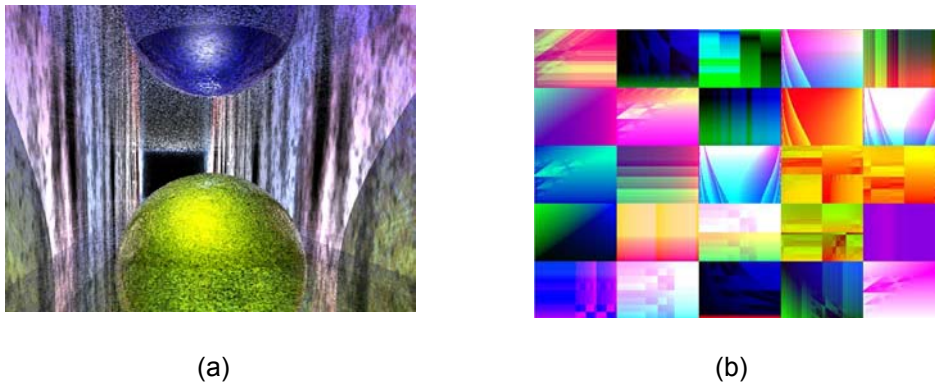

(a)   (b)

Figure 1. (a) Fuzzy Picture (b) Evolutionary computation

Summary

Write brief summary of the term paper

References

ASCE (2001), American Society of Civil Engineers, http://www.asce.org

Duvant, G., and Lions, J. L. (1972). *Less inequations en mechanque et en physique*. Dunod, Paris, France (in French).

Frater, G. S., and Packer, J. A. (1992a). "Weldment design for RHS truss connections, I: Applications". *J. Struct. Engrg.,* ASCE, 118(10), 2784-2803.

Frater, G. S., and Packer, J. A. (1992b). "Weldment design for RHS truss connections, II: Experimentation". *J. Struct. Engrg.,* ASCE, 118(10), 2804-2820.