DEPARTMENT OF MECHANICAL ENGINEERING
NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY

Date: 29-12-2020

NOTICE

The End-Semester evaluation (BTP Viva-voce) of the BE Project-II (MEC24/MAC23) for the VII Sem of ME and MPAE students will be held on **2nd January 2021 from 10.00 AM onwards through Google Classroom/Google Meet.** Each group will be given 20 minutes for presentation (PPT) and for Q&A. All the students are requested to present their work as per given schedule. Each group required to submit a report (through email: **btpprojects.me@gmail.com**), as per given guidelines in the following attachment (Annexure-I).

All the students are requested to strictly follow the guidelines.

(Dr. Andriya Narasimhulu)
Coordinator
B.E. Projects
Dept. of Mechanical Engg.

Copy to:

HOD, ME

<div align="right">**ANNEXURE-I**</div>

DEPARTMENT OF MECHANICAL ENGINEERING

NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY

<div align="right">Date: 29th December 2020</div>

Guidelines for Thesis Writing (B.E/B.Tech., Major Project)

1. **Report Format**

   * Line Spacing: 1.5

   * Font: 12pt.

   - Typing: Back-to-back

2. **Report Contents**

   The report should have the following:

   a) **Outer Cover**

   b) Inner cover page

   c) Certificate [signed by supervisor(s), begin numbering pages with this page as number(i)]: **(this is required for only final report and not for mid-term report)**

   d) Acknowledgement(s);

   e) Abstract (150 words) & keywords (max 6) [one page];

   f) Table of contents [include above items, titles of all chapters, references, appendices, drawings, program listings and CD roms (in Separate pocket)];

   g) Nomenclature & Abbreviations [in alphabetical order followed by Greek symbols, Superscripts, subscripts, underlined quantities, etc.];

   h) Body of the report: The body should contain

      1) Chapter 1: Introduction (Begin numbering pages with this page as number 1)

      2) Chapter 2: Review of Literature and statement of problem (The literature review must mention all work done earlier in NSUT besides other references

      3) Chapter 3: (Work done covering **Analytical Modelling, Employment of Software package[s] & other Computational algorithms, Equipment design, Simulation, Experimental verification, Equipment building** and any other aspect of the work you decide to mention should be given in this and subsequent chapters) …….

      4) Chapter [last one]: Conclusions/ concluding remarks and Scope for future work

      5) References; and

6) Appendices

3. **Reference**s

In the text, the references should be given in one of the following ways:

Author's last name (if only one author), or both authors last names (if only two authors) or by first authors last name followed by et.al.

a) The name(s) should be followed by the year in the brackets   and in the list of references, the references should be listed in alphabetical order of the author's name or

b) The name(s) should be followed by the serial number from the list of references, and in the list of references, the references should be listed in chronological order and alphabetical order for each year.

Some Examples are given below:

(a1) Full reference: Kumar, A, 1994, "Studies on Water Sprays", B.Tech project report, MPAE/ME. Dept. NSUT

In the Text it should be mentioned as: Kumar (1994)

(a2) Full reference: Prasad, A.B., Kumar,C.D., Jones,E.F., Chiu, S.H., and Frost,P., 1992, "Some studies in Engineering," J. Hypothetical technology, v 72, N. 2, pp 82-90

In Text: Prasad et.al. (1992)

(a3) Full Reference: Raman,A., and Bashyam, T.C.A., 1991, Dynamics of M. tech Theses. Tata Mcgraw- Hill, New Delhi.

In Text: Raman and Bashyam (1991)

(b1) Full reference: [23] Raman,A., and Bashyam, T.C.A., 1991, Dynamics of M. tech Theses. Tata Mcgraw- Hill, New Delhi.

In Text: Raman and Bashyam [23].

(b2) Full reference: [24] Prasad, A.B., Kumar,C.D., Jones,E.F., Chiu, S.H., and Frost,P., 1992, "Some studies in Engineering," J. Hypothetical technology, v 72, N. 2, pp 82-90.

In Text: Prasad et.al. [24]

(b3) Full Reference: [25] Kumar, A, 1994, " Studies on Water Sprays", B.Tech project report, mech. Engg. Dept. NSUT.

In the Text it should be mentioned as: Kumar [25]

[Note that for books, publisher's name and place must be included]

4. Program Listings

All computer programs developed should be presented in the Report in the following manner:

a) Source code listing with complete coding

b) A CD roms with program source code, executable files, data files etc.

c) User's manual giving details of how to use the programs [including flow charts] and the system requirements to be bound with the Report.

5. Drawings

a) All engineering drawings must confirm to the requirements of Bureau of Indian Standards Publication SP-46/1988 Engineering Drawing practice for Schools and Colleges (available at Bureau of Indian Standards, Bahadur Shah Jafar Marg, Delhi).

b) If drawings are large, they be included at the back of the report in a separate pocket.

c) In case drawings are made using CAD packages, CD rom should be included which contains all the files and details of the packages used.

d) All drawings must have the title block (see SP-46/1968).

6. General

a) Each Equation must be numbered and numbering should be sequential.

b) Sketches, drawings, graphs and photographs should have a Fig. Number and title.

c) Page numbers at bottom center

d) All Figure pages should also be numbered

e) Figures to be preferably included where their reference occurs

f) Figures and plates and equations to be numbered chapter wise refer to figure as "Figure" not as fig., equation as "equation" and not "eq" . Examples figure 2.3 shows….. in equation (2.3)……..

g) Each table should be numbered.

h) Margins: All text, drawings, tables, etc., must be positioned on an A4 sheet with 25mm margin on the top, bottom and right side and, 37 mm margin on the left side.

i) Make sure proper units, SI as far as possible, appear wherever required.

j) The report, which is submitted, must be complete, error free and referable in future by academia. Use of spelling and grammar software is strongly recommended. Read the draft of the report carefully before submission (Please verify it with your supervisor before hard binding). All references, Figures, Tables, Equations, etc. which are

referenced in the text should be present in the Report and with the same numbering or referencing. Conversely, all References, Figures, Tables, Equations, etc. must be cross referenced in the text. e.g. there should be no Figure in the report which is not referenced in the text. Spell check cannot identify correctly spelt words in the wrong context, e.g. if you have typed "he" in place of "the" then spell check will not indicate any mistake but the meaning of the sentence would change drastically.

YOUR FINAL THESIS MUST BE CHECKED WITH PLAGARISM/SIMILARITY CHECK BY YOUR CONCERN SUPERVISOR/s (Allowable Percentage is 5-10%)

THESIS MUST BE HARD BOUND AS FOLLOWS (To be submitted in the Department when you come to NSUT physically)

- MPAE – BROWN
- ME – BLACK

DEAD LINE FOR SUBMITTING YOUR THESIS LATEST BY 01-01-2021 (Soft Format One PDF File through mail)

All the B.E/ B. Tech students must follow above guideline for preparing their major project Thesis.

Reports should be prepared and email to: *btpptojects.me@gmail.com*

DEAD LINE FOR SUBMITTING YOUR REPORT LATEST BY 02-01-2021

(Dr. Andriya Narasimhulu)

BTP Coordinator

Department of Mechanical Engineering

Copy to: The Head, ME