

GUIDELINES FOR M. TECH. DISSERTATION/ THESIS

- a) The final exam will have Presentation followed by Viva-Voce at the college of study.
- b) Three hard bound copies of M. Tech. Dissertation/Thesis duly certified by the Guide (supervisor) and forwarded by Head of the Deptt./ Head of the Institute be submitted to Dy. Registrar (Secy.) RTU.
- c) Title of Thesis, name of the student and supervisor, year of submission must be printed embossed on the cover page of the M. Tech. Dissertation/Thesis. The thesis must be bound using orange color paper.
- d) **A panel of not less than three possible examiners** with contact details, qualification and teaching experience must be submitted along with the forwarding letter (by Head of the Institute) of M. Tech. Dissertation/Thesis. *Bio-data of Guide is to be attached.*
- e) One copy of the forwarding letter (by Head of the Institute) must be sent to the Dean (Faculty of Engg. & Tech.) in addition to sending it to the Dy. Registrar (Secy.) RTU.
- f) The main contents in the Dissertation/ Thesis should be typed in Times New Roman 12 font and page no. should be numbered from Abstract as 1, 2, 3..... Spacing between consecutive lines should be 1.5. Separate successive paragraphs by 9 points. Margins of each page should be preferably 1.25 inch left side, 0.75 inch right hand side, one inch top and 1.5 inch bottom with page no. at bottom margin of one inch. For each chapter at top right corner chapter no. should be written: for example; for chapter 1, it should be Chapter - 1 (Font 12, Times New Roman). Title of the chapter should be typed in Font 14 (All Capital) and should be centered. Literature references will be arranged in the order in which they are referred in the Thesis. Reference no. will be put in square brackets within the text in the order in which they are cited. Preferably, the Thesis should be organized as under:
 - i) Contents (Pg no. should be numbered in Roman as i, ii, iii distinct to that of starting from Abstract).
 - ii) Abstract
 - iii) Introduction (Chapter - 1, Essential, Detailing Scope of work with Objectives)
 - iv) Literature survey (Chapter - 2, Essential)
 - v) Chapters describing the Work (Tables should be given the number based on their chapters; for example; for chapter 2 they should be Table 2.1, 2.2 and so on. They should be written as per IEEE Syntax as under:

TABLE 1.1
NO. OF LINES, RELAYS, VARIABLES AND CONSTRAINTS
FOR SOME POWER SYSTEMS

Like Tables, Figures should be numbered, and should be titled as under”

Fig. 2.2. Diagram showing near-end and far-end faults for relay R_{Pri_Near}

- vi) Conclusions (Future Scope should be mentioned at the end of this chapter)
- vii) Literature References (IEEE Syntax), Examples are given as under:

“To refer a research paper” - Dinesh Birla, R. P. Maheshwari, and H. O. Gupta, “A New Non-linear Directional Overcurrent Relay Coordination Technique, and Banes and Boons of Near-end Faults Based Approach”, *IEEE Transactions on Power Delivery*, vol.-21, no.-3, pp. 1176-1182, July 2006

“To refer a book” - David E, Goldberg, “Genetic Algorithms in Search, Optimization, and Machine Learning”, *ISBN 81-7808-130-X*, Pearson Education Asia Pte Ltd., 2000. (621.381952, G47G)

viii) Appendix

- g) The covering page and Candidate’s declaration must be as per pg. (3) and (4) respectively, and the details as mentioned in Page nos. (5) to (9) enclosed herewith must be filled-up and be submitted to the University besides all above. *The dotted blank entries in covering page and Candidate’s declaration {pg. (3) and (4)} must be filled-up, and later instructions described in the dotted lines in the subscripted form for filling-up must be removed.*

..... (Topic of Thesis)

A

Dissertation

submitted

in partial fulfilment

for the award of the Degree of

Master of Technology

in Department of (Name of Deptt.)..... Engineering

(with specialization in (Name of Specialization))



Supervisor

Submitted By:

Name

Name of Candidate

Designation

Enrolment No.:

Department of(Name of Deptt.)..... Engineering

.....(Name of College).....

Rajasthan Technical University

Month and Year

Candidate's Declaration

I hereby declare that the work, which is being presented in the Dissertation, entitled “.....(Title).....” in partial fulfilment for the award of Degree of “Master of Technology” in Deptt. of(Name of Deptt.)..... Engineering with Specialization in(Name of Specialization)....., **and submitted to the Department of**(Name of Deptt.)..... **Engineering,**(Name of College)....., Rajasthan Technical University is a record of my own investigations carried under the Guidance of Shri/ Dr., Department of(Name of Deptt.)..... Engineering,(Name of College)..... •

I have not submitted the matter presented in this Dissertation anywhere for the award of any other Degree.

(Name and Signature of Candidate)

.....(Name of Specialization).....,

Enrolment No.:

.....(Name of College).....,

Counter Signed by

Name(s) of Supervisor(s)

.....

.....

WHEN “DISSERTATION COPIES” ARE READY FOR SUBMISSION:

- **Submit 3 copies of the dissertations to the Deputy Registrar (Secrecy)** with a copy of the letter marked to the Dean, Faculty.
- Ensure that the **Panel of Examiners** in the suggested format and Internal Assessment Marks, have been submitted and
- **After the Conduct of Viva-Voce**, dispatch the marks details directly to the **Deputy Registrar (Secrecy)**.
- **THESIS must be bound using orange colour OUTER COVER/ Front page.**

- **MARKS ALLOCATION FOR DISSERTATION REPORT EVALUATION**

Sr. No.	Particulars	Percentage of Max. Marks
1.	Relevance of the subject in the present context	15%
2.	Originality	05%
3.	Literature Survey	10%
4.	Problem formulation	10%
5.	Experimental observation / theoretical modeling	10%
6.	Results - Presentation and Discussion	15%
7.	Conclusions and scope of future work	10%
8.	Overall presentation of the thesis	20%
9.	Outcome of the dissertation resulting in article(s)	05%

- **MARKS ALLOCATION FOR DISSERTATION VIVA-VOCE**

Sr. No.	Particulars	Percentage of Max. Marks
1.	Presentation of background of work undertaken	10%
2.	Presentation of suitability of the work chosen	10%
3.	Presentation of finalization of work	30%
4.	Presentation of results, Discussion of results and conclusion	40%
5.	Overall performance	10%

SUPERVISOR(S) & PANEL OF EXAMINERS FOR M. TECH. DISSERTATION

While proposing the panel of examiners, the following points shall be taken care.

- *In case the candidate has carried out full or part of the work of dissertation outside the institution, the name of the co-supervisor should be mentioned compulsorily by giving full details.*
- *The Course Supervisor may be from other department, if the dissertation work is interdisciplinary.*
- *While proposing the external examiners, care should be taken to list the examiners who are working in the same field. The examiner may be drawn from other departments in case the work is of interdisciplinary type.*
- *M. Tech./ M.E. graduate from the industry with at least 05 years experience may be the examiner. If the work is carried out in an industry, the list of proposed examiners should contain at least one examiner from the industry.*
- *The external examiner proposed should be preferably of Professor Grade and in no case less than Associate Professor (preferably with Ph. D.), if they are from educational institutions.*
- **To the extent possible, do not suggest the same examiner for more than three dissertations.**

DETAILS OF CANDIDATE, SUPERVISOR(S) AND EXAMINERS

Name of Candidate:Roll No.....

College of Study:

Enrollment No.

Thesis Title:

.....

Supervisor(s) & Examiners Recommended (with Office Address including Contact Numbers, email ID)	
Supervisor	Co-Supervisor
External Examiners	
1	2
3	4

Seal and Signature with Date

Head of the Department

Head of the Institution

REPORT EVALUATION AND MARKS

Name of Candidate:Roll No.....

Enrollment No.

College of Study:

Thesis Title:

Dissertation submitted: For the First Time/ After Modification

REPORT ON THE EVALUATION OF DISSERTATION WORK

Tick in the appropriate box:

SATISFACTORY and RECOMMENDED for approval in partial fulfillment for the award of the PG degree

Salient features of the work not exceeding 500 words (Enclose separate sheet with signature)

MARKS AWARDED FOR DISSERTATION REPORT EVALUATION

Sr. No.	Particulars	Max. Marks	Marks Awarded
1.	Relevance of the subject in the present context		
2.	Originality		
3.	Literature Survey		
4.	Problem formulation		
5.	Experimental observation / theoretical modeling		
6.	Results - Presentation M Discussion		
7.	Conclusions and scope of future work		
8.	Overall presentation of the thesis/ oral presentation		
9.	Outcome of the dissertation resulting in a article		
Total Marks			

Total Marks Awarded in words:

- **NOT SATISFACTORY IN ITS PRESENT FORM** and the candidate is to resubmit the dissertation with suggested modifications (*Enclose separate sheet with signature*).

- **NOT SATISFACTORY** and is **NOT ACCEPTED**

Signature of the Examiner(s) :
(With Date & Seal)

DISSERTATION VIVA-VOCE AND MARKS

Name of Candidate:Roll No.....

Enrollment No.

College of Study:

Thesis Title:

.....

Dissertation submitted: For the First Time/ After Modification:

MARKS AWARDED FOR DISSERTATION VIVA-VOCE

Sr. No.	Particulars	Max. Marks	Marks Awarded
1.	Presentation of background of work undertaken		
2.	Presentation of suitability of the work chosen		
3.	Presentation of finalization of work		
4.	Presentation of results, Discussion of results and conclusion		
5.	Overall performance		
Total Marks			

Total Marks Awarded in words:

	Internal Examiner(s)	External Examiner
Signature		
Name		
Designation		
Organization		